



TELEPHONE NUMBER:
BANK 852 (two lines).

Registered as a Newspaper.

TELEGRAPHIC ADDRESS
"CHEMICUS LONDON."

**Established in
ENGLAND, 1859.]**

Published Weekly at 42 CANNON STREET,
LONDON, E.C.

**Established in
[AUSTRALASIA, 1885.]**

No. 1,556. Vol. LXXV.

NOVEMBER 20, 1909

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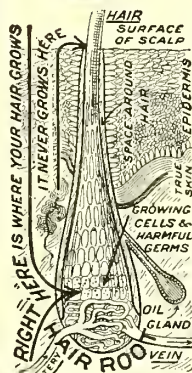
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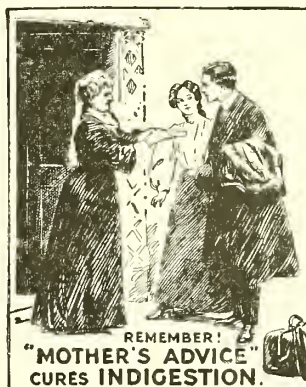
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Jeyes' Sanitary Compounds, Ltd.

Kay Bros., Ltd.
Lambert Pharmacal Co.

Sanitas Co., Ltd.
Tomlinson & Hayward, Ltd.

Willows, Francis B. & T.
Wright, Layman & Umney, Ltd.

Zimmermann, C., & Co.
DOSE REGULATORS

Maw, S., Son & Sons
Reuter, R. J.

DIABETIC BREAD AND FOOD

Callard & Co.

Van Abbott, G., & Sons

DRUGGISTS' SUNDRIES

Ayrton, Saunders & Co., Ltd.

Barclay & Sons, Ltd.

Berliner, Arthur

Burge, Warren & Ridgley

Bush, H. W., & Co., Ltd.

Chemist's Co-operative Wholesale

Christy, T., & Co.

Davis, J. M., & Sons

DRUGGISTS' SUNDRIES

(continued)

Edwards, W., & Son
Evans Sons Lescher & Webb, Ltd.

Hay, J. B., & Co.
Hewlett, C. J., & Sons
Hovenden, R., & Sons, Ltd.

Ingram, J. G., & Son
Maw, S., Son & Sons
May, Roberts & Co.

Newbery, F., & Sons, Ltd.
Poths, H., & Co.
Quelch, H. C., & Co.

Reuter, R. J.
Sangers
Schutze, F., & Co.

Shirley Bros., Ltd.
Solport Bros.
Southall Bros. & Barclay, Ltd.

Tidman & Son, Ltd.
Toogood, W., Ltd.
Viscose Co., Ltd.

Wattenbach, O.
Wood, Vincent
Woolley, J., Sons & Co.

DRUGS, CRUDE
Carmichael, F. J., & Co.

Gathergood's Exor.
Horner & Sons
Hymans, H., & Co.

Potter & Clarke, Ltd.
Ransom, W., & Son
Salle, H., & Cie.

DRYSALTERIES
Harker, Stagg & Morgan, Ltd.

DYES
Judson, D., & Son

Whitaker & Co. (Hat)

EAR MOPS.
Cooper, R. H., & Co.

EAU DE COLOGNE
Breidenbach & Co.

Farina, J. M.
Farina, J. M. (No. 4)

Fickus, Courtenay & Co.
McCracken, J. & R.
Schutze, F., & Co.

EDUCATIONAL INSTITUTIONS

Bath and West of England College of Pharmacy

British Optical Institute
Edinburgh Central School of Pharmacy

Glasgow School of Pharmacy
Leeds College of Pharmacy

Liverpool School of Pharmacy
London College of Pharmacy

Manchester College of Pharmacy
Muter's (So. Lond.) School of Pharmacy

North of England School of Pharmacy

Northern College of Pharmacy
Nottingham School of Pharm.

Pharmaceutical Society's School of Pharmacy

Royal Dispensary (Edinburgh)

South of England College of Pharmacy

Westminster College of Pharm.

EFFERVESCENT PREPS.

Allen & Hanburys, Ltd.
Bishop, Alfred, Ltd.

Blackie, R.
Bristol-Myers Co.

Cox, A. H., & Co., Ltd.
Evans Sons Lescher & Webb, Ltd.

Goodall, Backhouse & Co.
Kutnow, S., & Co., Ltd.

Lorimer & Co., Ltd.
Newball & Mason

Potter & Clarke
Standard Tablet & Pill Co.

Sturge, John & E.
Tyrer, T., & Co., Ltd.

Wright, Layman & Umney
ELASTIC HOSIERY

Ayrton, Saunders & Co., Ltd.
Berliner, Arthur

Burge, Warren & Ridgley, Ltd.

Haywood, J. H.

Maw, S., Son & Sons

Wood, Vincent

EMBROCATIONS

James, F.

EMERY AND CLOTH

Oakey, J., & Sons, Ltd.

EMULSIONS, COD - LIVER OIL, ETC.

Allen & Hanburys, Ltd.
Ayrton, Saunders & Co., Ltd.
Baiss Bros. & Stevenson, Ltd.
Blackie, Robert
British Drug Houses, Ltd.
Faulding, F. H., & Co.
Harker, Stagg & Morgan, Ltd.
Lorimer & Co., Ltd.
Oldfield, Pattinson & Co.
Parke, Davis & Co.
Scott & Bowne, Ltd.
Tolkien, C., & Co.
Woolley, Jas., Sons & Co.
Woolleys, Ltd.

ENEMAS

Bailey, W. H., & Son
Burge, Warren & Ridgley
Daval Rubber Co.
Hay, J. B., & Co.
Ingram, J. G., & Son
Maw, S., Son & Sons
Toogood, W., Ltd.
Warne, W., & Co., Ltd.

ENTOMOLOG. APPARATUS

Watkins & Doncaster

EPSOM SALTS

Howards & Sons, Ltd.

ESSENCES, CONCRETE

Lantier Fils
Murray, O., & Co., Ltd.
Roure-Bertrand fils
Schmoller & Bompard

ESSENCES, SOL. AND FRUIT

Alliance Drug & Chem. Co.
Barnett & Foster
Boake (A.), Roberts & Co., Ltd.
Bush, W. J., & Co., Ltd.
Evans Sons Lescher & Webb
Hay, Wm., Ltd.
Lantier Fils
London Essence Co.
Lorimer & Co., Ltd.
Newball & Mason
Roure-Bertrand fils
Spencer, J., Son & Co.
Stevenson & Howell, Ltd.
Zimmermann, A. & M.

ETHERS

Baiss Bros. & Stevenson, Ltd.
Maofarlan, J. F., & Co.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.
White, A., & Sons

EUCALYPTUS OIL

Baiss Bros. & Stevenson, Ltd.
British Drug Houses, Ltd.
Hymans, H., & Co.

EXTRACT OF HERBS

Newball & Mason
Potter & Clarke

EXTRACTS (MEDICINAL)

Allen, Stafford, & Sons, Ltd.
Chemist's Co-operative Wholesale
Gathergood's Exor.
Hewlett, C. J., & Son
Parke, Davis & Co.
Ransom, W., & Son
(See also WHOLESALE DRUGGISTS)

FEEDING BOTTLES

Brefitt, E., & Co., Ltd.
Hovenden R., & Sons, Ltd.
Kilner Bros., Ltd.
Maw, S., Son & Sons
Sangers
Southall Bros. & Barclay, Ltd.

FILTERS (WATER)

Berkefeld Filter Co., Ltd.

FLESH GLOVES

Sangers

FLYCATCHERS

Deansmere Manfg. Co.
Flykatcho
Ford, Shapland & Co.
Kay Bros., Ltd.
Smith, J. H., & Co.
Tunbridge & Wright

FOODS, INFANTS'

Allen & Hanburys, Ltd.
Benger's Food, Ltd.
Frame Food Co., Ltd.
Lofthouse & Saltmer
Natural Food Co., Ltd.
Willows, Francis, B. & T.

FOODS, SPECIAL

Allen & Hanburys, Ltd.
Bayer Co., Ltd.
Benger's Food, Ltd.
Brand & Co., Ltd.
Burt, C. J.
Buvo, Ltd.
Callard & Co.
Fairchild Bros. & Foster

FOODS, SPECIAL (continued)

Frame Food Co., Ltd.
Hepworth, Walter
Keen, Robinson & Co., Ltd.
Menley & James, Ltd.
Natural Food Co., Ltd.
Virol, Ltd.
Wander, A.

FORMALDEHYDE

Burt, Boulton & Haywood

FRUIT CRYSTALS

Aerators, Ltd.

FRUIT SYRUPS

Idris & Co., Ltd.

FULLER'S EARTH

Mumford, G. S., & Sons

FUMIGATORS

Sanitas Co., Ltd.

GELATIN AND GLUE

Boehm, F., Ltd.

GLASSWARE, CHEMICAL

Zahradnik, Jos.

GLAUBER'S SALT

Bramwell, E., & Son

Howards & Sons, Ltd.

GLYCERIN

Boehm, F., Ltd.

Price's Patent Candle Co.

GLYCERIN PLANT

Forshaw, E., & Son, Ltd.

GLYCEROPHOSPHATES

Pointet & Girard

GOLD PAINT

Judson, D., & Son

GRINDERS

Allen, Stafford, & Sons, Ltd.
Goodall, Backhouse & Co.
Willows, Francis, B. & T.

GUMS

Fink, F., & Co.

HAIR PREPARATIONS

Capsuloids (1909), Ltd.
Chesebrough Manfg. Co.
Edwards' "Harlene" Co.
Harker, Stagg & Morgan
Herpicide Co.
John Strange Winter
Oatline Co.
Robare's Aureoline
Rowland, A., & Sons
To-Kalon Mfg. Co., Ltd.
Woolleys, Ltd.

HAT DYES

Whitaker & Co.

HAT RENOVATORS

Christy, T., & Co.

HEATING APPARATUS

Clark, S., & Co.

Wright, John, & Co.

HERBS

Carmichael, F. J., & Co.

Potter & Clarke

HOMOEOPATHIC MEDICINES

Ashton & Parsons, Ltd.
Epps, James, & Co.
Keene & Ashwell, Ltd.
Leath & Ross

HOTELS

Esmond Hotel
Kingsley Hotel
Thackeray Hotel

HOT-WATER BOTTLES

Berliner, Arthur
Burge, Warren & Ridgley
Dunlop Rubber Co., Ltd.
Fulham Pottery & Cheavin
Filter Co., Ltd.

Galen Mfg. Co., Ltd.

Hutchinson Co.

Maw, S., Son & Sons

May, Roberts & Co.

Southall Bros. & Barclay

Tompkins, James, Ltd.

Wood, Vincent

HYDROGEN PEROXIDE

May & Baker, Ltd.

Sanitas Co., Ltd.

Tyrer, T., & Co., Ltd.

Wright, John, & Co., Ltd.

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Wright, John, & Co., Ltd.

INSECT POWDER

Boehm, F., Ltd.
Smith, B. A., & Co.

IODINE AND IODIDES

Howards & Sons, Ltd.

Morson, T., & Son

ITROSYL

Fletcher, Fletcher & Co.

JARS AND POTS

Boling, Brown & Co.

Brefitt, E., & Co., Ltd.

Bush, H. W., & Co., Ltd.

Christy, T., & Co.

Johnsen & Jorgensen, Ltd.

Kilner Bros., Ltd.

Lang, Jules, & Son

Mak, S., Son & Sons

Poths, H., & Co.

Reuter, R. J.

Stipendium Stopper Co.

Toogood, W., Ltd.

LACTIC FERMENTS

Allen & Hanburys, Ltd.

Cox, Arthur H., & Co., Ltd.

Davies, Sons & Co.

Martindale, W.

Parke, Davis & Co.

Standard Tablet Co.

Wilcox, Jozeau & Co.

LANOLINE

Burroughs Wellcome & Co.

Christy, T., & Co.

LARD

Chemist's Co-operative Wholesale

Ewen, J., & Sons

LIME JUICE AND CORDIAL

Evans Sons Lescher & Webb

Goodall, Backhouse & Co.

Idris & Co., Ltd.

LINSEED, CRUSHED, ETC.

Allen, Stafford, & Sons

Mumford, G. S., & Sons

LINTS

Liverpool Lint Co.

Robinson & Sons, Ltd.

Vernon & Co., Ltd.

LIQUORICE JUICE

Boehm, F., Ltd.

British Drug Houses, Ltd.

Carmichael, F. J., & Co.

Evans, Gray & Hood

Evans Sons Lescher & Webb, Ltd.

Horner & Sons

Jackson, E. E.

Mumford, G. S., & Sons

LIQUORS, CONC., ETC.

Allen, Stafford, & Sons, Ltd.

Fletcher, Fletcher & Co.

Hewlett, C. J., & Son

Robinson, B., & Co.

LITHIA SALTS

British Drug Houses, Ltd.

May & Baker, Ltd.

Merck, E.

LOOFAHS

International Sponge Importers

LOZENGES

Cox, A. H., & Co., Ltd.

Denoual, J., & Co.

Jackson, E. E.

Meggeson & Co., Ltd.

Potter & Clarke

Raimes & Co.

Warriek Bros.

MACHINERY, PHARMACAL

Allen & Hanburys, Ltd.

Bennett, E., & Son, Ltd.

Bennett, Sons & Shears, Ltd.

Forshaw, E., & Son, Ltd.

Gardner, Wm., & Sons, Ltd.

Pindar, J. W., & Co.

Smith, B. A., & Co.

Stokes, F. J., Machine Co.

Thompson & Capper (Stokes)

Wilkinson, S. W., & Co.

MAGNESIA AND ITS SALTS

Henry, T. & W.

Howards & Sons, Ltd.

May & Baker, Ltd.

Washington Chemical Co.

MENTHOL CONES

Bush, H. W., & Co., Ltd.

Maw, S., Son & Sons

MAILING CASES

Estes, E. B., & Sons

MARKING INK

Hickisson, A. (Bond's)

MEDICINE CHESTS

Burroughs Wellcome & Co.

Keene & Ashwell, Ltd.

Leath & Ross

Lloyd, T. Howard, & Co.

Parke, Davis & Co.

MALT EXTRACT AND PREPS

Allen & Hanburys, Ltd.
Blackie, R.
British DiaMalt Co.
Burroughs Wellcome & Co.
Evans Sons Lescher & Webb
Hewlett C. J., & Son
Lorimer & Co., Ltd.
Montgomerie & Co., Ltd.
Oppenheimer, Son & Co., Ltd.
Paine & Co., Ltd.
Southall Bros. & Barclay, Ltd.
Tolkien, C., & Co.
Woolley, Jas., Sons & Co., Ltd.
Wright, Layman & Umney

MEASURES

Bush, H. W., & Co., Ltd.

MEAT EXTRACTS

Armour & Co., Ltd.

Bovril, Ltd.

Brand & Co., Ltd.

Buvo, Ltd.

MERCURIALS

Howards & Sons, Ltd.

May & Baker, Ltd.

Merck, E.

Tyrer, T., & Co., Ltd.

METEOROLOGICAL SETS

Darton, F., & Co.

METHYLATED SPIRIT

Burrough, J., Ltd.

Preston's Liverpool Distillery

Randall & Son, Ltd.

MILK APPARATUS

Zimmermann, C., & Co.

MILK SUGAR

Zimmermann, C., & Co.

MINERAL WATERS AND SALTS

Apollinaris Co., Ltd.

British Drug Houses, Ltd.

Hughes, E. Griffiths

Ingram & Royle, Ltd.

Vichy (State Springs)

MOTOR GOGGLES

Darton, F., & Co.

NAPHTHAS

Burt, Boulton & Haywood

OILS, ESSENTIAL

Allen, Stafford, & Sons, Ltd.

Alliance Drug & Chem. Co.

Boake (A.), Roberts & Co., Ltd.

OPTICAL INSTRUCTION
British Optical Institute**ORANGE WINE**
Melrose-Drover Co., Ltd.**PACKED GOODS**
(See WHOLESALE)**PALATINOIDS**
Oppenheimer, Son & Co.**PASTILLES**
Allen & Hanburys, Ltd.
Asche, C. F., & Co.
Burroughs Wellcome & Co.
Denoual, J., & Co.
Epps, James, & Co.
Evans Sons Lescher & Webb
Meggeson & Co., Ltd.
Warrick Bros.**PATENT AGENT**
Barker, R. W.**PERFUMES**
Allen & Hanburys, Ltd.
Barclay & Sons, Ltd.
Breidenbach & Co.
Bronnley, H., & Co., Ltd.
Bush, W. J., & Co., Ltd.
Christy, T., & Co.
Chuit, Nacif & Co.
Erasmic Co., Ltd.
Evans Sons Lescher & Webb, Ltd.
Howlett, C. J., & Son
Hovenden, R., & Sons, Ltd.
Lescol Perfumery Co.
McCracken, J. & R.
Maw, S., Son & Sons
Morison, G. H., & Co., Ltd.
Newbery, F., & Sons, Ltd.
Oatline Co.
Quelch, H. C., & Co.
Southall Bros. & Barclay
Spencer, J., Son & Co.
To-Kalon Mfg. Co., Ltd.
Warrick Bros.
West, T., & Son**PERFUME MATERIALS**
Bontcheff & Kidoff
Bush, W. J., & Co., Ltd.
Chiris, Antoine
Compagnie Morana
Lautier Fils
Mühlthaler, Th., Ltd.
Murray, O., & Co., Ltd.
Scheller Emil & Co.
Schimmel & Co.
Shipkoff & Co.
Spencer, J., Son & Co.
Zimmermann, C., & Co.**PESSARIES**
Burge, Warren & Ridgley
Rendell, W. J.**PETROLEUM EMULSION**
British Drug Houses, Ltd.**PETROLEUM JELLY**
Carmichael, F. J., & Co.
Chesbrough Mfg. Co.
Schliemann's Oil and Ceresine
Co., Ltd.**PHOTO. CHEMICALS**
Boehringer, C. F., & Soehne
Burroughs Wellcome & Co.
Merek, E.**PHOTO. ENLARGERS,**
PRINTERS, &C.
Express Developing Co.
Halifax Photographic Co.**PHOTO. GOODS**
Barclay & Sons, Ltd.
Darton, F., & Co.
Evans Sons Lescher & Webb
Halifax Photographic Co.
Hford, Ltd.
Lennon, Ltd.
May, Roberts & Co.
Newbery, F., & Sons, Ltd.**PILL MAKERS**
Allen & Hanburys, Ltd.
Asche, C. F., & Co.
Bishop, Alfred, Ltd.
British Drug Houses, Ltd.
Cox, A. H., & Co., Ltd.
Davies, Sons & Co.
Evans Sons Lescher & Webb, Ltd.
Hewlett, C. J., & Son
Howards & Sons, Ltd.
Lloyd, T. Howard, & Co.
McKesson & Robbins
Parke, Davis & Co.
Standard Tablet & Pill Co.
Wand Mfg. Co.
Woolley, J., Sons & Co., Ltd.**PLASTIC MODELS**
Plastic Advertisement Co.
POLISHES (VARIOUS)
Bradley & Bourdas
Judson, Daniel, & Son
Oakley, J., & Son, Ltd.**POSTERS**
Ford, Shapland & Co.**PLASTERS**

Alcock Mfg. Co.
Berliner, Arthur
Beiersdorf, P., & Co.
Dalmas A. de St., & Co.
Leslies, Ltd.
Maw, S., Son & Sons
Solport Bros.

PRINTERS

Dudley & Co.
Ford, Shapland & Co.
Harrison & Waide
Parkes, John, & Co.
Smith, W. H., & Son
Townsend, J., & Sons

PROPRIETARY ARTICLES

Anglo-American Drug Co.
Anglo-American Pharm. Co., Ltd.
Ashton & Parsons, Ltd.
Barclay & Sons, Ltd.
Battle, Son & Maltby
Bayer Co., Ltd.
Beecham, T.
Beiersdorf, P., & Co.
Box, W. H.
British Drug Houses, Ltd.
Burgess, E.
Capsuloids (1909), Ltd.
Chameleon Oil Co., Ltd.
Christy, T., & Co.
Coleman & Co., Ltd.
Congreve, G. T.
Conoid Co.
Cox, A. H., & Co., Ltd.
Curry, Henry
Daggett & Ramsdell
Daisy, Ltd.
Danyasz Virus, Ltd.
Da Silva & Co.
Davenport, J. T., Ltd.
Day & Sons (Crews), Ltd.
Denoual, J., & Co.
Edwards, W., & Son
Evans Sons Lescher & Webb, Ltd.
Faulding, F. H., & Co.
Fellows' Syrup
Fennings, Alfred
Ferris & Co.
Fulford, C. E., Ltd.
Goodall, Backhouse & Co.
Gordon, Murray & Co., Ltd.
Grapelax, Ltd.
Guy's Tonic Co.
Henry, T. & W.
Hovenden, R., & Sons, Ltd.
Hughes, E. Griffiths
Ichthyol Co.
International Chemical Co.
Iron-Ox Rem. Co., Ltd.
Kay Bros., Ltd.
Kutnow, S., & Co., Ltd.
Lalor's, Dr., Phosphodyne
Lambert Pharmaceutical Co.
Lofthouse & Saltmer
Lorimer & Co., Ltd.
May, Roberts & Co.
Menley & James, Ltd.
Newbery, F., & Sons, Ltd.
Oatline Co.
Odel Chemical Works
Owbridge, W. T., Ltd.
Pedezy Co.
Phillips, Chas H., Chem. Co.
Reitmeyer & Co.
Resinol Chemical Co.
Sangers'
Schimmel & Co.
Scott & Bowne, Ltd.
Smith, Maurice
Squire & Sons
Standard Tablet & Pill Co.
Stedman's Teething Powders
Thermogene Co., Ltd.
Thompson & Capper
United Chemists' Association,
Ltd.
Voss & Co.
Wilcox, Jozeau & Co.
Zotos, Ltd.
(See also DENTIFRICES and TOILET
ARTICLES)

PULVELLÆ
Warrick Bros.**PULVERETTES**
Oppenheimer, Son & Co., Ltd.**PUMPS**
Berkefeld Filter Co., Ltd.**QUININE AND SALTS**
Boehringer, C. F., & Soehne
Carmichael, F. J., & Co.
Howards & Sons, Ltd.
Pointet & Girard**RAZORS**
Auto-Strop Safety Razor Co.
Hovenden, R., & Sons, Ltd.
International Distributing Co.**RAPE OILS**

Hull Oil Mfg. Co.

RESINS AND RESINOIDS

Allen, S., & Sons, Ltd.
Allen & Hanburys, Ltd.
Morson, T., & Son
Ransom, W., & Son
Smith, T. H., Ltd.

RENNET

Fullwood, R. J., & Bland
Oldfield, Pattinson & Co.

RESPIRATORS
Zimmer & Co.**RUBBER GOODS**

Burge, Warren & Ridgley, Ltd.
Davol Rubber Co.
Dunlop Rubber Co., Ltd.
Evans Sons Lescher & Webb, Ltd.
Fecher, M. J.
Galen Mfg. Co.
Haywood, J. H.
Hovenden, R., & Sons, Ltd.
Hutchinson Co.
Ingram, J. G., & Son
Maw, S., Son & Sons
May, Roberts & Co.
Wanklyn, H. A.
Warne, W., & Co., Ltd.

SACCHARIN
Saccharin Corporation, Ltd.**SALICIN**
Macfarlan, J. F., & Co.
Smith, T. & H., Ltd.**SAMPLE CASES**
Keane, Thomas**SANTONIN**
Smith, B. A., & Co.**SAPONIN**
Field, C. W.
Stamer, Dr. R.**SAUCES**
Goodall, Backhouse & Co.**SCALE PREPARATIONS**
Morson, T., & Son**SCALES, WEIGHING**
Maw, S., Son & Sons
Parnall & Sons, Ltd.
Southall Bros. & Barclay, Ltd.**SEA SALT**
Lidman & Son, Ltd.**SEA-SICKNESS REMEDY**
Zotos, Ltd.**SELTZOGENES**
Aerators, Ltd.**SERUMS AND ANTITOXINS**
Allen & Hanburys, Ltd.
American Animal Therapy Co.,
Ltd.
Evans Sons Lescher & Webb, Ltd.
Parke, Davis & Co.
Schimmel & Co.
Wilcox, Jozeau & Co.**SHARES**
McAdam & Tuckniss**SHEEP-DIPS**
Burt, Boulton & Haywood
Sanitas Co., Ltd.
Tomlinson & Hayward, Ltd.**SHOP-FITTING**
Ayrton-Graham, Ltd.
Bowling & Son
Congdon & Son
Evans Sons Lescher & Webb, Ltd.
Joseph, P., & Son
Maw, S., Son & Sons
Mills, H.
Parnall & Sons, Ltd.
Rudduck & Co.
Sangers'
Southall Bros. & Barclay, Ltd.**SHOPS**
Allen & Hanburys, Ltd.
Armour & Co., Ltd.
Bell (John), Hills & Lucas, Ltd.
Breidenbach & Co.
Bronnley, H., & Co., Ltd.
Chesbrough Mfg. Co.
Cook, E., & Co., Ltd.
Erasmic Co., Ltd.
Evans Sons Lescher & Webb,
Ltd.
Hull Oil Mfg. Co., Ltd.
International Distributing Co.
Lescol Perfumery Co.
Oakley, J., & Son, Ltd.
Mysantal Co.
Oatline Co.
Pears, A. & F., Ltd.
Peat Products (Sphagnol), Ltd.
Price's Patent Candle Co.
Shaw, Henry, & Co.
Wright, Layman & Umney**SODA FOUNTAINS**
British Automatic Aerators, Ltd.**SOAP PLANT**
Forshaw, E., & Son, Ltd.**SOAP MATERIALS**
Armour & Co., Ltd.
Chiris, Antoine**SOAPS, MEDICATED**
Armour & Co., Ltd.
Bronnley, H., & Co., Ltd.
Calvert, F. C., & Co.
Lambert Pharmaceutical Co.
Resinol Chemical Co.
Wright, Layman & Umney**SODIUM BICARBONATE**
Brunner, Mond & Co., Ltd.
Howards & Sons, Ltd.
Mumford, G. S.**SOIL INSECTICIDE.**
Vaporite-Strawson Co., Ltd.**SOYA OIL**
Hull Oil Mfg. Co.**SPARKLETS**
Aerators, Ltd.**SPECTACLES**
Botwright & Grey
Darton, F., & Co.
Maw, S., Son & Sons
Nitsche & Günther
Raphael's, Ltd.**SPHYGMOMETERS**
Hicks, J. J.**SPIRIT OF WINE**
Burrough, J., Ltd.
Preston's Liverpool Distillery**SPITTING-FLASKS**
Maw, S., Son & Sons**SPONGE BAGS**
Maw, S., Son & Sons
Schutze, F., & Co.
Toogood, W., Ltd.**SPONGE STANDS**
Wanklyn, H. A.**SPONGE**
Internl. Sponges Importers
Kent, G. B., & Sons, Ltd.
Maw, S., Son & Sons
Sangers'**SPONGES, RUBBER**
Wanklyn, H. A.**SPONGIO-PILINE**
Whitehead, R. R., & Bros.**SPRAYS**
Burge, Warren & Ridgley, Ltd.
Davol Rubber Co.
Hovenden, R., & Sons, Ltd.
Maw, S., Son & Sons
May, Roberts & Co.
Parke, Davis & Co.
Reuter, R. J.**STAIN REMOVERS**
Hammond Mfg. Co.**STARCH**
Mumford, G. S., & Sons**STILLS, ESSENTIAL OIL**
Bennett, Sons, & Shears, Ltd.**STOPPERS**
Fletcher, Fletcher & Co.
Stipendium Stopper Co.**SUPPOSITORIES**
Cox, Arthur H., & Co.**SURGICAL APPLIANCES**
Allen & Hanburys, Ltd.
Bailey, W. H., & Son
Burroughs Wellcome & Co.
Haywood, J. & H., Ltd.
Hutchinson Co.
Maw, S., Son & Sons
Quelch, H. C., & Co.
Wood, Vincent
Warne, W., & Co., Ltd.**SURGICAL DRESSINGS**
Beiersdorf, P., & Co.
Berliner, Arthur
Burroughs Wellcome & Co.
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Dalmas, A. de St., & Co.
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Haynes, G., & Co.
Kokke, W. A.
Leslies, Ltd.
Liverpool Lint Co.
Macfarlan, J. F., & Co.
Maw, S., Son & Sons
Newsome, C.
Robinson & Sons, Ltd.
Southall Bros. & Barclay
Thermogene Co., Ltd.
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Wood, Vincent
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Bush, W. J., & Co., Ltd.
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Murray, O., & Co., Ltd.
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Howards & Sons, Ltd.
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Thompson & Capper
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TABLOID PRODUCTS

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TARTARIC ACID

British Drug Houses, Ltd.

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DUCHESS 2d. TOILETS.

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Exquisitely Perfumed. For sale by Chemists only.

SEVENTEEN DIFFERENT VARIETIES.

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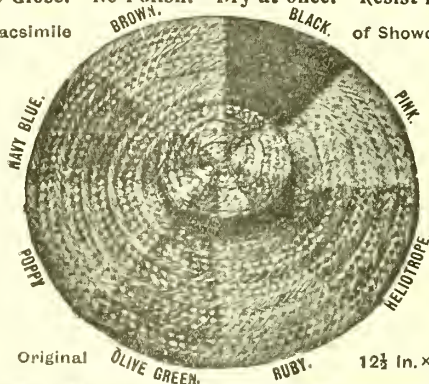
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In bottles, 6d. each, in separate neat cartons, with suitable brush

These Dyes are a distinct invention, dyeing the straw
 without an objectionable varnished appearance, and
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SPECIALISTS IN VARNISHES, STAINS, DYES, &c. ES/D. 1878.

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THROUGH ALL WHOLESALE HOUSES.

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CREAM

2 lb. Boxes 1/6 lb., less 10%.

6d. Pots (1 1/2 oz.) 4/6 doz., 10%, or Cards of
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To any Chemist who says he has not tried it.

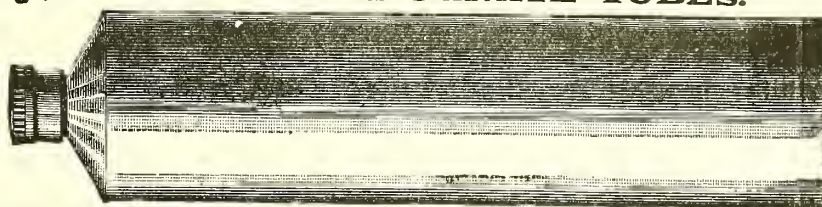
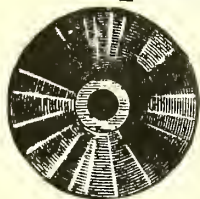
The World challenged to produce its equal in appearance or effect, as a Cold Cream, Face Cream, or as a Chemists' Specialty Cream, guaranteed never to go rancid in any temperature, or alter in its appearance. This article was the only cause of the revival in sales of Cold Cream, and created the demand for skin foods. Its superiority and its enormous sale created many imitators, but as yet no equal. Prove it by examination. Sample is free. Keep the sample for a few weeks by the side of imitations, and then judge for yourself.

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POWDERED TOILET SOAP.
DELICATELY PERFUMED.
Packed in Prettily Decorated Sprinklers.
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For Paints, Perfumes, Shaving Creams, Soaps, Oils, &c.
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Packed in Boxes with separate compartments for each
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The number of dentifrices is myriad, their names are legion,

But—

in principle and in efficiency there is but one,

CALOX

THE OXYGEN TOOTH POWDER.

Its principle is the evolution of oxygen.

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Not only antiseptic, but deodorant, two desirable properties of a tooth powder. Its oxidizing and deodorizing power was obvious in our experiments.—THE LANCET, London, Eng.

Possesses not only strong antiseptic, but deodorizing and oxidizing properties, as the result of which the teeth, after a few days' use of CALOX, acquire a pearly whiteness.—THE CHEMIST AND DRUGGIST, London.

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'The Lancet' says: 'Of Standard Purity'

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3s. 6d. per lb. Also in Tins at 2/- and 4/- doz.

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CHEMISTS AND DRUGGISTS.



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and will be glad to send one free of cost to any Chemist or Druggist who will send his name and address.

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GUARANTEED PURE. DISTILLED BY
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Wholesale Quantities only.

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½ doz. 6d. free (for counter display) -	-	-	-				
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EUCRYL TOOTH POWDER.*To be obtained from all the Principal Wholesale Houses, or direct from The Proprietors,***EUCRYL LIMITED, HULL.****PURE ENGLISH OIL OF PEPPERMINT***Grown and distilled on my own Farms in Lincolnshire. Terms on application.***JOSEPH SEYMOUR, HOLBEACH, LINCS.***Peppermint, &c., Distiller.**Inspection of Farm invited.***YOU GET A 7d. COUPON** with every package of
Lavona de Composée or Flowers of Oxxoin*This Coupon is good for retail chemists only, and is redeemable by us in our other preparations as listed thereon.***Our Specialities are:—**

Lavona de Composée (Smith's)
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 French Fon Fleur Perfume.
 Harriett Meta's Gold Medal Hair Tonic.
 Harriett Meta's Milk of Roses.
 Neal's Olivine (A New Liquid Soap).

Crème To-Kalon.
 Crème Supérieure.
 To-Kalon Talcum Powder.
 To-Kalon Denta Crème.
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 Sozo (The Great Deodorant).

Price Lists and Showcards gladly sent on application.**To-Kalon Manufacturing Co., Ltd., 61 New Oxford St., London, W.C.****N.B.—WE ARE ON THE P.A.T.A. LIST.**

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, NOVEMBER 20, 1909

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers) and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.**

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done.

PROVIDED THE MONEY IS TELEGRAPHED

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules.

Telephone: No. 852 Bank (two lines).

Telegraphic Address: "Chemicus London."

A Copy of this Supplement is inserted in every Number issued of "The Chemist and Druggist."



The turn of Fortune

often comes through an advertisement in this Supplement because it reaches the whole Drug Trade. It therefore pays to pay for advertising here.

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Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—LONDON, S.W.—Old-established Business; situate in close proximity to busy railway station; returns average over £1,250, which produce a net income of over £400; price £1,000.

2.—LEWISHAM, near (within easy distance of City).—Established Business, Retail, Dispensing, Prescribing, and Photographic; returns (present rate) £1,200; net profit 25 per cent.; large shop, fitted in mahogany and plate glass; comfortable residence, garden; price £850.

3.—FULHAM.—Ready money Business, Retail, Dispensing, Prescribing, and Photographic; held by vendor many years; returns average over £600 per annum; profit (net) £215; well-fitted shop, held on lease; price £450 or near offer entertained.

4.—SURREY.—Retail, Dispensing, and Photographic; returns £700; profit (net) £200; double-fronted, well-fitted shop; roomy house, side entrance; rent £65, held on lease; terms £50 and valuation of stock and fixtures.

5.—BLACKHEATH, within easy distance of (suburban).—Modern Pharmacy; position unique; returns £1,200 per annum; scope for development; net profit 25 per cent.; double-fronted shop, well fitted and fully stocked; price £900.

6.—HAMPSTEAD.—Good-class Business. Retail, Dispensing; returns (present rate) £900; profits above the average; attractive shop, with good house attached; 16 years' lease; price £750, or valuation; terms entertained.

7.—SOUTH LONDON.—Modern Pharmacy, chiefly ready money; returns under manager £1,000; net profit £325; lock-up shop; rent £55 inclusive; price £600; part payment if desired.

8.—WEST OF ENGLAND.—Cash Retail Business; position unique; returns last year £785, increasing; net income £200; lock-up shop; rent £20 per annum; terms simply the value of stock and fixtures.

9.—WESTERN COUNTY.—General Retail Business, established many years; returns £500, which produce a net income of £190 yearly; good house; rent £60, sublet £21; price £250.

10.—HOME COUNTY.—Old-established Business, Retail and Dispensing, with free Licence for the sale of Wines and Spirits; returns average between £1,700 and £1,800 yearly; net profit £371; vendor retiring; price about £1,000.

11.—GREAT WESTERN MAIN LINE.—Modern Pharmacy; established many years; returns average £2,500 per annum; gross profit 50 per cent.; well-appointed shop, situate in the centre of town; further details on application.

12.—LEEDS.—General Retail Business; established 40 years; returns £609; net income (after all expenses paid) £150; rent £31 per annum; no immediate opposition; terms, valuation or reasonable offer.

13.—BIRMINGHAM.—Light Retail and Dispensing Business, including Photography; gross receipts for 1908, £535; several good Proprietaries; attractive shop; good residence; price £350.

14.—GLOS. (market town).—Cash Retail and Prescribing Business; gross receipts £740, increasing; profit (gross) 40 per cent.; satisfactory reason for disposal; price £550.

Particulars of any of the above will be furnished on application.

N.B.—NO CHARGE TO PURCHASERS.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasise the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

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VALUATIONS have always had our special and personal attention, and an experience of thirty years is at your disposal.

AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a Purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.**STOCKTAKING SPECIALISTS to the Entire DRUG TRADE**

1.—YORKS.—Popular seaside resort; middle-class Mixed, Retail Dispensing and Photo; good shop and convenient house; old-established; returns £680 and increasing; net profit £200; valuation about £520; a splendid opportunity.

2.—LONDON, S.W.—Good-class Retail and Dispensing and excellent Proprietaries; nice house and shop; old established; returns £120; net profit £350; price £850.

3.—LONDON, N.—Handsome modern shop in very busy district; returns nearly £700 and good profits; low rent; open to fullest investigation and a trial allowed; valuation of stock and fixtures about £350; a rare chance.

4.—GLAMORGAN.—A very nice little Business, only opened six months ago, but very rapidly increasing; returns at present about £4 per week; no opposition; stock and fixtures about £200; to a young, energetic man this is a chance of a lifetime.

5.—YORKS.—Mixed General Retail in very busy district; returns over £400 and increasing; low rent; price about £200; good chance for a beginner.

6.—MIDLANDS.—A good steady General Retail in a very busy town; old established, together with a Tobacconist's adjoining; Chemist's returns £15 per week, Tobacco returns £50 per week; excellent premises; price £150 and valuation, about £600 (for the two Businesses); a rare opportunity.

7.—GLOUCESTERSHIRE.—Very nice Retail, Dispensing, and Prescribing in very pretty district; returns nearly £800, and steadily increasing; good profits; good house and shop; price £550; an excellent business.

8.—BRADFORD Suburb.—Mixed Cash Retail, Dispensing, and Prescribing, also Wines; old-established; in fine position; returns last year over £1,000; now about £14 per week; been neglected; can easily be worked up again; rent £35; price £120 only for quick sale.

9.—CHESHIRE.—Good-class Retail and Photographic; rapidly increasing; good lock-up shop, but convenient; Post Office attached, which brings in £70 per annum; returns £430; valuation about £300; low rent; a rare chance.

PARSON C. BAKER**174 VICTORIA ST., LONDON, S.W.**Recommended by—MESSRS. BARRON, HARVEYS & CO.
Telephone: MESSRS. MEGGESON & CO.
No. 27 Victoria. MESSRS. BARCLAY & SON, LTD.

IN prosperous district, South London, and leading thoroughfare, an old-established good-class Cash Retail, returning £900 and showing absolute net profit, £300; large house; good garden; shop well fitted and fully stocked; rent £60; price £530 or valuation.

IN North-West London, owing to exceptional circumstances, a good Dispensing and Retail Business; very much neglected; now returning £15 week; lock-up shop; good double front; modern and handsome fittings; net rent £65; price £225, which is less than value of fittings only; in good hands £1,000 to £1,500 can be very quickly done.

CLOSE to Piccadilly; Prescribing and foreign trade; very profitable; net profit nearly £4 a week; price £150.

GOOD business and pleasure town on South Coast; old-established Family trade; returning £1,400; showing net profit £350; large shop in best central position; very large house; can easily let off £40 to £50; rent £110; price £1,000, or valuation terms can be arranged.

TEN miles out; opposite railway station; good old-established Family trade; returning about £1,000; good shop, well fitted, fully stocked; small house; rent £38; only one opponent; price, small goodwill and valuation.

PERIODICAL stocktaking without inconvenience to business on very moderate terms.

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211 Graham Rd., London, N.E.

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**VALUATIONS FOR SALE,
PURCHASE, PROBATE AND STOCKTAKING
on reasonable terms.**

Of well-known experience to London Houses.

Businesses Wanted and for Sale.

Chemists' and Assistants' Wants Undertaken.

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LICENSED CHEMISTS' VALUER.

Valuations for transfer of business, Probate, &c. Businesses for disposal. Stocks and Fixtures purchased to any amount for cash. Stocktakings undertaken. A Register kept of Assistants and Chemists requiring Assistants; no charge made.

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TELEPHONE 02949.

MESSRS. BERDOE & FISH,**Chemists' Valuers and Transfer Agents,****35 JEWRY STREET, FENCHURCH STREET, CITY.**

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Have the following Businesses for Disposal. (No charge to Purchasers.)

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2.—HERTFORDSHIRE.—Good-class Retail, Dispensing, and Prescribing Business in important market town; returns over £1,500; scope for increase; large shop, elegantly fitted and well stocked; price £950.

3.—SUFFOLK.—Unopposed Light Retail Business; no Mixed or heavy trade; returns average £800; good house; low rent; well-fitted shop, heavily stocked; price £465; a bargain.

4.—GLOUCS.—Very profitable Retail, Dispensing, and Prescribing, with own Specialities; in good-class district; returns £450; net profit exceeds £200; good house and shop; valuation only required or offer.

5.—DERBYSHIRE.—Unopposed Light Country Retail Business; returns over £600 under manager; plenty of scope; corner shop (lock up); rent only £15; price £220, less than valuation.

6.—HAMPSHIRE.—Light Family Retail and Dispensing Business; unopposed and easily worked; returns exceed £400; net profit £170; well-fitted shop; good stock; price £300.

7.—LIVERPOOL.—Light Cash Retail Business; well established; returns about £1,000; net profit over £250; handsomely fitted shop, in unique position, fully stocked; valuation required; about £425.

8.—VICTORIA STATION (near).—First-class Retail; returns over £1,250; net profit £439; splendid position; price £1,000.

9.—LONDON, S.E.—Brisk cash Retail; returns under manager £1,000; net profit £300; price £500; £200 can remain.

10.—NORTH OF ENGLAND.—Good-class Cash Retail; in very best position of important town; returns nearly £1,900; handsome Pharmacy; stock and fixtures worth £1,100; price £1,100.

11.—HOME COUNTY.—Good-class Retail, Dispensing, and Photographic Business; returns over £850; large house and garden; large, well-fitted shop, heavily stocked; price £525, or valuation.

12.—MIDLANDS.—Profitable Light Retail and Prescribing, in unique position; unopposed; returns over £500, half profit; plenty of scope; low rent; good house; price £320.

13.—ESSEX (Coast).—Profitable Cash Retail and Prescribing Business in good position; returns about £500, increasing; good house; well fitted and stocked; price £250.

14.—STAFFS.—General Mixed Retail Business in good market town; returns about £500, can easily be doubled; very best position; net profit £200; price £350, or valuation.

15.—DEVON.—Good profitable Retail and Prescribing, with Dispensing; in splendid position; returns £500; net profit £190; fine corner shop and good house; price, valuation, about £250 to £300.

16.—MIDDLESEX.—Light Retail and Prescribing Business; returns £500; fast-growing district; best position; low rent; good house and long garden; price for early sale £225; worth attention.

17.—LONDON, S.W.—Modern Store Business; returns over £2,000; fine corner position; price £900 or valuation.

18.—LONDON, W.—Good-class Retail; returns £700 under manager; good position; price £400; half can remain.

STOCKTAKING VALUATIONS.MESSRS. BERDOE & FISH make a special feature of, and special terms for, periodical valuations for stocktaking purposes. We value the stock in full detail without disturbing the routine of the business in the slightest degree; in fact, when we finish you do not know we have been. Read page 115 in *C. & D. Diary*, and then write us for our Special Terms. Correspondence cordially invited.**BUSINESSES WANTED.**

MESSRS. BERDOE & FISH are in immediate want of sound concerns returning from £800 to £3,000, particularly in the Home Counties, West of England, Midlands, and Manchester districts; cash buyers waiting, quick sales guaranteed, without publicity. Terms sent on application.

T O M T O M

Telegraphic Address.

THOS. TOMLINSON & SON,

Chemists' Valuers and Expert Stocktakers,

Businesses transferred privately.

29 NEW CANNON STREET, MANCHESTER.

PHOTOGRAPHS AND TESTIMONIALS.—Advertisers should not send their photographs to advertisers of Situations Oper unless they are specially requested to do so, and then enclose a stamp for return. In no case should the originals of testimonials be sent; copies suffice until negotiations are approaching completion, when the originals may be submitted at the employer's risk.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond, prepaid.

NOTE.—Replies can be addressed to this Office and forwarded to the Advertiser for an Additional charge of 6d.

COLONIAL BUSINESSES.

We call the special attention of our Colonial subscribers to the opportunity this Supplement affords when they wish to dispose of their Businesses, of getting into touch with likely buyers either at home or in the Colonies.

Replies to Advertisements may be addressed to this office and forwarded to the Advertiser for an additional charge of 6d. Trade circulars and samples can in no case be forwarded.

CITY OF LONDON.—To ensure quick Sale will accept low price for Retail and Dispensing Business in main thoroughfare; fine and increasing; handsomely fitted; moderate rent; worth attention. "Aspirin" (38/4), Office of this Paper.

DERBYSHIRE.—A genuine Retail Chemist's Business for Sale; been in present hands 35 years; capable of great improvement; an excellent opportunity for energetic man; stock and fixtures valuation; main road; corner shop. Address, Machon, 51 Park Street, Derby.

DUKES.—Good-class Retail, Prescribing, and Dispensing Business; fine Photographic connection; Wine Licence; returns £1,100, very profitable; well-fitted shop, heavily stocked; large, convenient house; electric light; garden; price £100 for quick sale, or valuation terms arranged; part could remain on; excellent reasons for disposal. Particulars, Sturdy, Chemist, Workshop.

EDINBURGH.—Dispensing and Retail Drug Business in good-class neighbourhood in town for early Disposal; stock light and in good condition; well fitted; moderate rent; full particulars to bona-fide inquirers. Apply, Messrs. T. & H. Smith, Ltd., Blandfield Chemical Works, Edinburgh.

GLASGOW.—A genuine Retail Business for Sale in populous working-class district; rent £32; returns £650 per annum; net profits about £300; very few patents sold; good reason for disposal and can stand strict investigation; price £250. 36/40, Office of this Paper.

LANCASHIRE.—Old-established Family Business; returns over £1,300; booking trade; large lock-up shop, warehouses, etc.; suit one desiring active country life; short hours; stock and fixtures recently valued at £880; will sacrifice for £600; cash buyers only; no agents; man with capital could double returns. Apply, 34/23, Office of this Paper.

LANCASHIRE.—A genuine Retail Drug Business for Sale; been in present hands over 20 years; capable of great improvement; an excellent opportunity for energetic and up-to-date man; stock, fixtures, etc., low; good living house. Address, J. A. Barlow, 1 Accrington Road, Burnley.

LANELLY (South Wales).—Two Branch Businesses for Sale, each in splendid unopposed parts of a large working-class town; all ready money; one doing £350, and £850; three-fourths cash can remain. Apply, Evan Jones, Chemist.

MIDLANDS.—Best position good factory town; no Optician opposition; finely fitted; stock new; worth £300, offered for immediate sale £150, or near; must know Midland trade; scope to treble returns, personal attention; steadily improving; provide living right away; special terms suitable man with good references who guarantees cash first letter. "Busy Owner" (38/11), Office of this Paper.

SOUTH COAST.—Large and increasing district; owner relinquishing business; good house and shop, well fitted and stocked; splendid opening for energetic man; price £350; reference. "Yelder" (244/23), Office of this Paper.

SOUTH COAST.—First-class Dispensing and Retail; returns £1,228; full prices. By letter to Mr. Penrhyn, 30 Parliament Hill, N.W.

SOUTH YORKSHIRE.—Mining village; pleasant country; no opposition; returns £8 weekly; open part time under junior; could be easily doubled by good management; rent £25; good house; a sure investment; price valuation about £180. F. W. Smith, 3 Belgrave Terrace, Leeds.

THAMES VALLEY (10 miles out).—For immediate Disposal, working-class locality; few Patents; plenty Prescribing; well stocked and fitted; double-fronted shop; weekly expenses about 28s.; healthy 7-roomed house and district; returns average £10 weekly under manager; for quick sale £150, or offer; stock and fittings worth the money. Apply, "J. D." Baiss Brothers & Stevenson, Ltd., 4 Jewry Street, E.C.

WYE VALLEY.—Chemists' Business for Disposal; Light Retail, Photographic; situated among beautiful country, frequented by tourists; returns increasing; profits £200; small house, low rent; suitable for middle-aged or man without family. Apply, 63/12, c/o Messrs. Barron Harveys & Co., Giltspur Street, London, E.C.

A BUSINESS bargain in London, W.; in view of ill-health of vendor and wife; returns £650, steadily increasing; net rent £52; good house; large, well-stocked shop; established 40 years; 1,000 new Prescriptions yearly; opening for Optics and Dentistry; competition nominal; profit £200 net; Photographic increasing; some Postal trade; sacrificing for £550; every investigation offered. Particulars from Bernard Slack, Princes Chambers, Wolverhampton.

A SMALL CAPITAL only required to purchase a genuine Light Retail and Dispensing Business in South-West London; shop is in main road; double-fronted; fitted in mahogany; well stocked; attached is 8-roomed house and self-contained flat let off at £35 per annum; owner must leave London for reasons of health, and will accept fair offer based on valuation of stock and fixtures. Genuine inquiries only to 34/20, Office of this Paper.

FOR immediate Disposal, through ill-health, Drug-stores, London, N.W.; main thoroughfare in working-class locality; mostly penny and Prescribing; few Patents; splendid opening for Extractor; suit qualified or unqualified; price £75, practically valuation of stock and fixtures. Apply 35/12, Office of this Paper.

GENTLEMAN with energy and about £300 capital can quickly develop an increasing little suburban Business; last month's cash returns £65; proprietor is short of capital and will accept valuation (about £230), or near offer for quick sale; full investigation; rent £30, including house. Burrell, 13 Rustlings Road, Sheffield.

BUSINESSES FOR DISPOSAL

(continued.)

GOOD-CLASS Business in thickly populated Manchester district; rent, including good house, only £30; stock and fixtures £100; excellent reasons for disposal. Apply, 32/28, Office of this Paper.

HIGH-CLASS Family, Retail, and Dispensing Business in healthy N.W. suburb of London; net profit over £450, after paying all expenses; handsome shop, heavily stocked; good residence; low rent, on lease; cash price £1,250; stock and fixtures worth £900 to £1,000; strictest investigation and good introduction. "N. W." (37/20), Office of this Paper.

IN consequence of the decease of Mr. Philip Thomas and in accordance with the deed of partnership between him and Mr. J. Arden Thomas, the businesses carried on under the style of Thomas Bros., high-class Dispensing Chemists and Photographic Dealers, at the College Pharmacy, Bath Road, and Spa Pharmacy, Montpellier, Cheltenham, are for disposal as a joint going concern. Full particulars of annual returns, profits, conditions of leases, and other information may be obtained on application to Herbert Stroud, Esq., Clarence Parade, Cheltenham, Solicitor; or to W. G. Earengay, Esq., 10 Regent Street, Cheltenham, Solicitor.

JUST what ambitious man with £100 determined to force success wants; established main road; unopposed shopping position, N.W.; equals best anywhere; dense population, many first class; aged vendor's declining health demands retirement; own premises; contemplated alterations will considerably increase business; working partner entertained; minimum income guaranteed; profits shared. 26/11, Office of this Paper.

SMALL Drug-stores, old established, in poor, thickly populated neighbourhood, East-end; ready money trade; very profitable; easily worked; cheap Prescribing, few Patents, Optics, no Photography; returns average the last three years £590 under indifferent management; double-fronted shop and side entrance; books and invoices can be seen. Apply, 38/13, Office of this Paper.

SPECIAL OFFER.—Old-established profitable Chemist's Business in Western seaport; average takings last three years £1,300; excellent reasons for disposal. For full particulars apply, "Lyn," c/o 25 Westwell Street, Plymouth.

THE nearest offer to £150 will purchase an easily-worked, increasing Business returning £5 weekly with profitable Proprietaries; good Retail and Prescribing; convenient house, 7 rooms, bath, and c.b. garden; pleasant locality, S.W.; rent £45; should be seen at once; must be sold; every information. "Cinnamom" (35/19), Office of this Paper.

THIS is an opportunity worth seizing; Branch Business in South Midlands; returns can be verified; last year £500 done without any pushing; good house; no opposition; vendor concentrating efforts other ways; not a cutting shop; £500; part can remain by arrangement. "W." 20 Alester Road, Birmingham.

£60 inclusive, to effect immediate sale genuine Family Retail in North London populous district; unopposed; an opportunity seldom met with and worth investigation; suit pharmacist or unqualified; part cash can remain if desired; present takings £6 weekly; neglected; everything in working order; satisfactory reason for disposal. "Chemist," 55 Penn Road, Holloway.

£60 down buys a nice little Business; Wine-licence; Lancashire; small remainder by arrangement; an absolute bargain; unique position. 35/5, Office of this Paper.

£70; established over 20 years; well-stocked, smart shop; good house; all newly decorated, in nice S.E. neighbourhood; good opening for Optics, Dentistry, and Photographic work; bargain for smart man; qualified or unqualified; must sell. 37/22, Office of this Paper.

£90.—London, S.E.; smart Drug-stores in thickly populated district; convenient house; scope for increase; shop is well fitted and well stocked; further particulars to bona-fide applicants. Apply, 38/3, Office of this Paper.

£130.—S. Yorks; working-class district; about £7 weekly, steadily increasing; shop and 5 rooms; on main road; rent £26; well stocked; good profits. "E." (34/12), Office of this Paper.

£200, or near offer (part can remain); nice compact General and Photographic Business; N.W. Coast; a real bargain. Apply, 243/70, Office of this Paper.

£300.—Small cash deposit and balance by easy instalments will secure well-fitted Pharmacy; business has been much neglected by managers, but offers exceptional opportunities to qualified man willing to work; a lengthy trial can be arranged on equitable terms, and fullest investigation invited from genuine inquirers giving references. "London" (36/36), Office of this Paper.

£465.—For quick sale, Light Retail, Prescribing, and Photographic Business; returns last three years average £800; net profit about 33½ per cent.; central position in large Suffolk village; population 4,000; no opposition; very good modern house; can be largely increased by energetic man. Genuine buyers only apply, "Thymol" (34/28), Office of this Paper.

BUSINESSES WANTED.

ADVERTISER wishes to purchase a small Packing Business to run as a Side-line with his present retail business. Reply, in first instance, to "Sec." (243/40), Office of this Paper.

CHEMIST'S Business wanted, at once, in suburbs of London; must bear investigation and be value for money; immediate settlement if suitable; agents ignored. Send full particulars to "Chemist" (35/2), Office of this Paper.

MESSRS. BERDOE & FISH have a large number of clients unsuited, requiring to purchase Businesses returning £800 to £1,200 in the Midlands and Southern Counties; cash buyers only are introduced, and strictest privacy can be relied upon. Confidential particulars should be sent to Berdoe & Fish, 55 Jewry Street, Fenchurch Street, E.C.

WANTED, at once, good-class Business, with comfortable house, in country town; Surrey, Sussex, Hants, or Berks preferred; returning up to £1,000; cash ready; no agents. "Pharmacist" (33/15), Office of this Paper.

FOR SALE.

COMPLETE mahogany Fixtures, Counter, cased front, Nest Drawers, Shelving over, Poison cupboard, mirror door, Dispensing Screen, bent-glass Counter-case, Perfume Case and Desk, 120 bottles, 12 Ointment Jars, Mortars, Scales, Weights, Dispensing Scales; price £45, carriage paid. F. W. Smith, 3 Belgrave Terrace, Leeds.

SECOND-HAND mahogany Dispensing cabinet, 2 Counters, 3 large nests of Drawers and Shelves above, with glass cases attached; in good condition. For terms apply, Joseph Williams, Auctioneer, Rhyll.

PARTNERSHIPS.

INTEREST wanted in established Business; advertiser (34), unqualified, is experienced in good-class Retail, Dispensing (3,000 per annum), Photographic, and Physicians' Specialities; good book-keeper; abstainer; capital £250, more at six or twelve months' call if necessary; London objected to. "Clinic" (34/30), Office of this Paper.

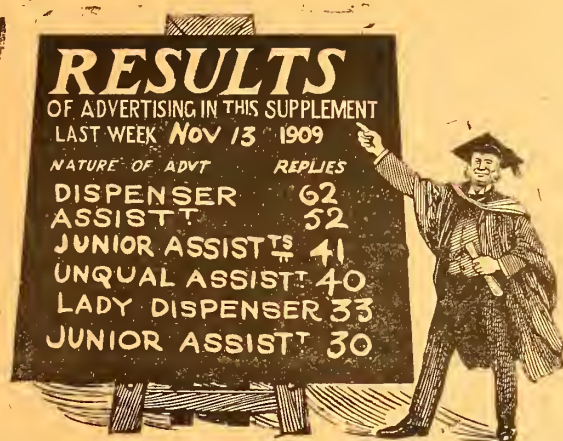
PARTNER wanted, qualified or otherwise, with small capital, to open or buy an existing neglected Business, where there is ample scope of developing into a remunerative Cash Stores in London; advertiser qualified and well up in all modern methods. Reply, stating few essential particulars, to "G." (38/6), Office of this Paper.

AGENCIES.

LONDON Agent required by provincial Drug and Sundries house; correspondence invited. 237/52, Office of this Paper.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond, prepaid.



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of advertisers who use a number or nom de plume.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitability.

BE BRIEF BUT CLEAR—millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

REPLIES TO ADVERTISEMENTS may be addressed to this Office and forwarded to the Advertiser for an additional charge of 6d. Trade circulars and samples can in no case be forwarded.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that the Advertiser pays postal charges in such cases, and perhaps this reminder will obviate the necessity of the constant return of remittances which forgetfulness of this fact entails.

RETAIL.

BRISTOL.—Assistant wanted for Dispensing and Photographic business; outdoors; half-holiday weekly. Apply, stating age, height, salary required, experience, also references, with photo (if possible), to F. Moss, 206 Redland Road, Bristol.

BRISTOL.—Wanted, a young lady (qualified), as Dispenser; one who wishes to obtain Counter experience. Apply, with full particulars, salary, experience, etc., to "Dispenser," 9 Triangle South, Bristol.

BRISTOL.—Wanted, at once, energetic Junior or Improver; one just out of apprenticeship would suit, if steady and reliable; hours moderate; weekly half-day; Sunday duty nominal. State age, height, salary (outdoors), experience, with references and photo (returnable), to Hedley Price, Chemist, Ashton Gate, Bristol.

BRITISH GUIANA.—Qualified Assistant required; three years' agreement; first-class passage paid out; £75, rising to £95, salary (indoors), or equivalent increase for outdoors. Apply, Bais Bros. & Stevenson, Ltd., 4 Jewry Street, E.C.

CAPE COLONY.—Required, at once, qualified Assistant, used to high-class Dispensing business; age not over 25; of good appearance and with excellent references; preference given to abstainer; second-class passage paid out; usual agreement; salary first year £15 per month, second £16, third £17. Apply, by letter only, "Cape Colony," c/o C. J. Hewlett & Son, Ltd., 35-42 Charlotte Street, E.C.

CHATHAM.—Qualified Assistant (22-28), with some experience of Optical work. Apply, giving age, usual particulars, and salary required, with photo if possible, to A. R. Turtle, High Street, Chatham.

HARROGATE.—Assistant wanted, about December 16 (outdoors), accustomed to good-class Retail and Dispensing business. Apply, with full particulars as to age, height, experience, references, and salary required, with photo, if possible (to be returned), to A. Atkinson, Pharmaceutical Chemist, 2 Parliament Street, Harrogate.

JAPAN.—Qualified Assistant; age 23 to 26; one with knowledge of French or German preferred; passage, second class, paid out and home; 5 years' agreement. Apply, with photo and copies of testimonials, to "R. L.," c/o S. Maw, Son & Sons, 7 to 12 Aldersgate Street, E.C.

KETTERING.—Early in December (outdoors), Junior Assistant for brisk cash trade; no other kept; abstainer preferred; weekly half-holiday and no duty after hours. Apply, giving full particulars of experience, age, salary required, etc. (applications unanswered in 4 days may be considered declined), Thursfield, Chemist, Rockingham Road, Kettering.

LANCS.—Experienced Assistant for high-class Dispensing and Photographic business; qualification not necessary. 35/36, Office of this Paper.

LANCASHIRE.—Medical man requires experienced Dispenser (male), about 35; single; good references; morning and evening hours; no bookkeeping; salary, £1 10s. per week (outdoors). Apply, by letter, 35/18, Office of this Paper.

LONDON, S.W..—Qualified Assistant required. Apply, personally by appointment, or by letter, to C. R. Toynce, Ltd., Family and Dispensing Chemists, 26 High Street, Putney.

LONDON, N.W..—Part-time Assistant wanted immediately; good Junior, about 25; one accustomed to brisk ready money Retail preferred; meals indoors, comfortable bedroom outdoors; time for study and fair salary. W. C. Tucker, P.O., Queen's Crescent, N.W.

LONDON, W..—Required, at once, a qualified Assistant (outdoors), to take charge of a Branch where Optical experience would be an advantage. Apply, personally, or if by letter, state age, salary, and other particulars, to T. Reece, 53 Harley Street, London, W.

LONDON, W.C..—Wanted, part-time Assistant (male) for few hours weekly, Saturday afternoons, on two other evenings, and alternate Sunday evenings. Apply personally, Burden & Co., Pharmacists, 41 Store Street, Bedford Square, W.C.

LONDON, S.E..—Unqualified Assistant (aged about 30 to 40) for brisk Suburban business; salary 35s. weekly (outdoors), with early increase to steady and reliable man; finish 1 p.m. one day weekly; no Sunday duty. Full particulars, together with those of last three engagements, to "Gentian" (37/17), Office of this Paper.

LONDON, S.E..—Assistant for small branch, with view to early succession; excellent chance for young or elderly man; can be paid for out of receipts by instalments; let off £14, leaving £11 rent; near works employing 1,000 men; no opposition; half-hour from town. Apply, 37/31, Office of this Paper.

MADRAS, India.—Qualified Assistant wanted; young man, well up in his business, not afraid of work, good health; 3 years' agreement to be signed; second-class passage paid; salary 250 rupees, 300 rupees, and 350 rupees per month for first, second, and third years respectively. Apply, stating experience, to W. E. S. & Co., c/o John Murdoch & Co., 52 Leadenhall Street, London, E.C.

SITUATIONS OPEN *(continued).*

MAIDSTONE.—Permanency for capable, energetic Assistant for medium-class business; about 23 hours 8.30 to 8.30; Saturdays 10; close Wednesdays at 1; closed Sundays; outdoors; must be obliging and good salesman. State firms been with and salary required to Payue, Pharmaceutical Chemist, Maidstone.

METROPOLITAN HOSPITAL, Kingsland Road, N.E.—Assistant Dispenser required (male); under 30 years; qualified; salary 35s. per week. Application, accompanied with copies of three testimonials, on or before November 24, to the undersigned, J. C. Buchanan, Secretary.

NEWPORT (Salop).—Wanted, a reliable Junior Assistant (outdoors) for first-class Country business; no Sunday duty; one half-holiday weekly. Apply, with full particulars, to C. R. Picken, Pharmacist, Newport, Salop.

NOTTINGHAM.—Junior Assistant or Improver (outdoors); hours 8 A.M. to 8 P.M.; half-holiday weekly; no Sunday duty; state age, experience, references, and salary, with photo (to be returned). Apply, C. A. Bolton, 40 Carlton Street, Nottingham.

SOUTH AMERICA.—A qualified Assistant; splendid opportunity for energetic and capable Chemist; liberal salary for the right man. Apply, "J. M. T.," c/o Evans Sons Lescher & Webb Ltd., Liverpool.

STAMFORD.—Outdoor Junior wanted, immediately, for good-class Mixed Country business, with Dispensing and Photography. Apply, with full particulars as to age, height, and salary required. Ennals, Pharmacist, Stamford.

WEST-END.—Senior Assistant required; liberal salary and commission; an exceptional opportunity for one who desires progress. Letters, with full particulars as to previous experience, to "Meta," c/o Horner & Son, Tower Hill, E.C.

WORCESTER.—Energetic Assistant required, principally to attend to stock and to help at Dispensing counter when needed. State age, height, experience, references, salary required (indoors), and enclose photo, Anderson & Virgo, Chemists, Worcester.

ASSISTANT; Chile, South America; good experience; qualification not necessary; good-class Retail and Dispensing experience, also Photographic; aged 25; excellent opportunity for a steady man; engagement three years; first year £150, second year £160, third year £180; second-class passage paid out. Apply, "J. M. T.," c/o Evans Sons Lescher & Webb, Ltd., Liverpool.

AT Once.—An Assistant for small Branch (indoors). Write, stating age, height, experience, salary required, references, etc., enclosing photo, to S. A. Perkins, 15 Cumberland Street, Devonport.

CHEMIST (lady), qualified, wanted for Chemist's shop; state age, references, salary expected. Apply, 33/33, Office of this Paper.

DISPATCH Parcels Department.—West-end Store Chemists require active young man to take charge of same; must be good Writer and with experience. Apply, own handwriting, "Mayfair" (37/25), Office of this Paper.

ENGLISHMAN wanted by Continental Pharmacist in capital city for a few months' work in Dispensary in exchange for instruction in French language. "Jar" (32/25), Office of this Paper.

FOR 2 or 3 months, capable Assistant; able to take charge; used to Photography. State particulars and terms to 243/07, Office of this Paper.

IMPROVER or Apprentice; good opening for steady and trustworthy youth. Apply, stating full particulars, to L. J. Teffel, Pharmaceutical Chemist, 184 Shields Road, Newcastle-on-Tyne.

MANAGER (qualified) required; good salary and prospects; must possess exemplary character for honesty and sobriety. Timothy White Co., Ltd., Portsmouth.

QUALIFIED Assistant, about 25, for good-class Retail business. To save correspondence please furnish full particulars in the first instance, H. Kemp, Chorlton-cum-Hardy, Manchester.

QUALIFIED Manager for high-class modern business; London; outdoors; good salary will be paid to first-class man; state full particulars. Apply, 244/46, Office of this Paper.

WANTED, at once, for Italy, smart unqualified Junior for Photographic Department; must be well up in Developing, Printing, and Enlarging; second-class fare out; no Sunday duty. Apply, 26/36, Office of this Paper.

WANTED, at once, a reliable and competent Junior for Mixed Country Retail and Dootor's Dispensing; permanency to a suitable man. Apply, with full particulars and references, to Clegg & Son, Wautage, Berks.

WANTED, an Assistant, about 23 to 25 (qualified), for Dispensing business. State age, height, salary (indoors), when disengaged, experience if Dispensing and Photography, names of two last employers, and time with each. 35/3, Office of this Paper.

WANTED, Locum, unqualified, for light duty for month; age 25 to 35; country business; 30s. week (indoors); good references indispensable; answers after four days declined. Apply, "Pomegranate" (33/32), Office of this Paper.

WANTED, a qualified Lady Dispenser needing experience to come for a few hours daily; small salary given. Apply, Medical Mission, Quadrant Street, Old Canning Town.

WANTED, qualified Junior; abstainer; energetic and pushing; knowledge of Photography and Optics desirable; salary £90 (indoors); near London. Photo, references, and full particulars to 37/13, Office of this Paper.

WANTED, Lady Dispenser; one with previous Surgery experience preferred. Apply, Dr. Graham, Wigan.

DOCTOR, practising Nice winter, Aix-les-Bains summer, desires the services of a gentleman who understands Shorthand, Typewriting, and Urinary Analyses; permanency; outdoors. Reply, by letter, giving qualifications, salary, etc., 244/55, Office of this Paper.

WHOLESALE.

CLERK.—Invoice Clerk required for the town and country desk of a London Wholesale Manufacturing Drug-house; only those with a knowledge of the trade need apply, stating salary required and previous experience, to C. J. Hewlett & Son, Ltd., 35-42 Charlotte Street, E.C.

DRUGGISTS' Sundries.—Required, by large house, competent, up-to-date Druggists' Sundries Buyer; responsible man, fully conversant with the trade, used to control of staff. Apply, by letter, stating age, experience, and salary required, to "C. D.," c/o Streets, 30 Cornhill, E.C.

LADY, qualified, for London Wholesale Druggist, to superintend Girls' Department. Apply, by letter, stating qualification, salary, and previous experience, 244/53, Office of this Paper.

REPRESENTATIVE, with good connection among Perfumers and Wholesale Drug-houses, wanted to introduce profitable Side-line entailing little trouble. Address, 240/26, Office of this Paper.

TRAVELLER and Manager.—Wanted, smart, energetic qualified Chemist, to take charge of small Wholesale Drug business. Apply, stating age, experience, and salary required, with two references, 30/13, Office of this Paper.

SITUATIONS WANTED

1s. for 12 words or less; 6d. for every 10 words beyond, prepaid.

[HOME.]

RETAIL.

PERMANENCY, or Part time; competent, trustworthy, experienced Prescriber, Dispenser, General Retail; tactful Salesman; good organiser, writer, bookkeeper; highly recommended. Forster, 5 Coleridge Road, Finsbury Park, N.

30; Branch Manager or Assistant; experienced; unqualified; energetic. 155 Offord Road, Barnsbury.

LADY Dispenser, qualified, requires post in London. "G. L.," Clatterford Hall, Ongar.

PART-TIME; 21; good Dispensing and Retail experience. Walton, 28a Albert Bridge Road, S.W.

BRANCH Manager or Senior; disengaged; abstainer; references. "Phenacetin," 32 Albion Road, Rochdale.

PART-TIME; 26; good experience, Dispensing, Counter. Redford, 10 Redvers Road, Chalk Pit Hill, Chatham.

SINE Diploma; capable Manager, Assistant; 39; disengaged November 27. "A. B.," 60 Station Road, Epsom.

JUNIOR; aged 20; tall; 6 years' general experience; well recommended. J. Patience, 56 Station Road, Crayford.

JUNIOR; 23; good all-round; could take charge. "Hexamethylene-tetramine," 34 Grosvenor Terrace, Camberwell.

LOCUM, Branch Manager, or Assistant; disengaged; qualified; best references. Follows, M.P.S., Tunstall, Staffs.

ASSISTANT; unqualified; 32; experienced; abstainer; trustworthy. "J. K.," 80 Northview Road, Hornsey, N.

MANCHESTER.—Qualified; disengaged; abstainer; experienced; references. "Statim," 11 Weaste Road, Weaste, Manchester.

LOCUM; disengaged; days, half-days, evenings; time to suit Chemist; take charge; good references. 31/14, Office of this Paper.

QUALIFIED; 23; outdoors; Counter, Dispensing; country district; with or without view to succession. 31/18, Office of this Paper.

ASSISTANT or Branch Manager; 32; Extractor; reliable; undeniable references. Goodwin, 6 Monument Road, Summer Hill, Birmingham.

YOUNG lady (23) desires post with Chemist as Stockkeeper, help with books, etc.; 6 years' experience with Chemist. 32/34, Office of this Paper.

QUALIFIED; abstainer; 22; 6½ years' first-class experience, Dispensing and Retail; outdoors. "Dan," c/o Mrs. Cayzer, Kibworth, Leicestershire.

ASSISTANT; 18; 4 years' experience; live in; small wage if good home and time allowed for study; Nottingham or district preferred. 32/33, Office of this Paper.

CAPABLE Assistant; 36; smart, energetic; Counter, Dispensing, and Photographic; unqualified. "Statim," c/o J. Hammond, Oaklands, Greenfield, near Oldham.

MANAGER in live business; qualified; Photography, Windows, good organiser; fair salary required; 36; married; tall. "Chemist," 6 Bridge Street, Walsall, Staffs.

RELIEF; qualified; week, day, or part. Wire, write, 16 Stockwell Road, S.W.

JUNIOR; 22; good Dispensing, Counter, Photo experience. Hoocock, Mount Gold Road, Plymouth.

ASSISTANT; 24; 10 years' experience, unqualified; abstainer. Barron, Winifred Road, Urmston, Manchester.

CAPABLE Assistant; 27; smart Counterman; accurate Dispenser. "Prescriber," 76 Hartington Street, Bedford.

MANAGER; permanency or Locum; middle-aged; qualified; disengaged. "M. H.," 10 Raby Street, Darlington.

DISPENSER; 23; first-class experience; shortly disengaged. F. Williams, Roslin, Elgin Road, Wallington, Surrey.

DISENGAGED; unqualified; married; experienced; London and country; permanency. "Statim," St. Kilda, Beverley.

DISENGAGED; Dispenser or Counter, Photography; unqualified; 35; married. "Charles," 3 Stanley Road, Manvers Street, Bath.

JUNIOR Assistant; nearly 5 years' good Dispensing and Counter experience. Griffiths, Gladstone House, Ramsey, Isle of Man.

UNQUALIFIED; 21; Dispensing, Counter; 7 years' experience; abstainer; references. Barbour, Dalbeattie, Kirkcudbrightshire.

QUALIFIED (24), abstainer, desires engagement; London preferred. Apply, Thomas, 294 Trinity Road, Wandsworth Common.

DISENGAGED December 14; Manager, Locum, or Relief; reliable and competent man; highly recommended; qualified. Jones, 174 Victoria Street, S.W.

ASSISTANT; 26; London experience; good references; foreign qualification; moderate salary or board-lodge; town or country. Cassino, 47 Dean Street, Soho, W.

JUNIOR Assistant; 21; over 4 years' experience in good-class Pharmacy; at liberty; excellent reference. Marsden, 179 Walthew Lane, Platt Bridge, Wigan.

JUNIOR; 22; 5½ years' good all-round experience; Counter, Windows, Photographics, etc.; good reference; disengaged; unqualified; abstainer. "Rex," 22 Morrill Street, Hull.

PART-TIME; unqualified; Dispensing, Photographic; window-dresser; French correspondent, but not fluent speaker; disengaged. "A.," 66 Prince of Wales Road, London, N.W.

ANALYTICAL Chemist, out of touch with Pharmaceutical side for some years (has served apprenticeship), desires situation with Pharmacist. "X.," 66 Froston's Road, Workington, Cumberland.

EVENINGS after 5, expert Dispenser; good Counterman; long varied experience in evening part-time work; highest references; qualified; reliable. Euclid, 26 Wontner Road, Upper Tooting Park, S.W.

UNQUALIFIED experienced Assistant (26) seeks permanency; married; 10 years' experience in high-class Pharmacies; Dispenser, Prescriber, Photographic; trustworthy. "B.," Cotswold Villa, Frenchay, Bristol.

UNQUALIFIED; disengaged; 5 ft. 8 in.; 30; single; competent Dispenser, Counterman, Photographer; sober and conscientious; first-class references; London or provinces; £2 weekly (outdoors). 32/32, Office of this Paper.

SITUATIONS WANTED *(continued).*

ASSISTANT; unqualified; age 38; outdoors; good reference. 35/11, Office of this Paper.

ELDERLY qualified Manager; permanency; single; active; Prescriber. "R. S.," 4 Museum Street, W.C.

MANAGER or Locum; qualified; experienced; single; disengaged. Jones, 27 Pine Street, Pendleton.

MORNING, afternoon, daily, evenings, Sunday; Hall qualification. Hall, 55 Lady Margaret Road, N.W.

QUALIFIED Chemist wishes temporary work until Christmas or shorter period. 34/24, Office of this Paper.

QUALIFIED; 25; abstainer; good references; outdoors. Scott, Dale House, Barnston, Birkenhead, Cheshire.

ASSISTANT or Manager; qualified; outdoors; age 30; experienced. Jones, Henfache, Llanrhaidr, Oswestry.

ENGAGEMENT; London; qualified; outdoors; permanency or relief. "Sumbul," 32 Redburn Street, Chelsea, S.W.

JUNIOR, 4 years' experience, seeks engagement immediately. "W. J. W.," 39 Irene Road, Parsons Green, London.

MANAGER or Senior, with view to succession preferred; 34; qualified; single. Apply, 37/9, Office of this Paper.

QUALIFIED Chemist and Surgeon-Dentist disengaged; large experience; disengaged. "Prescriber" (33/17), Office of this Paper.

QUALIFIED; 24; varied experience; highest references; abstainer; single; London or Midlands preferred. 34/19, Office of this Paper.

SENIOR or Manager; 30; qualified; high-class Dispensing and Retail experience; good references. "Chemist," 3 Ayr Street, Nottingham.

MANAGER, Senior; qualified; 26; good experience, Dispensing, Counter; good references; outdoors. "P. B.," Brake Hill, Rainton, Thirsk.

MANAGER or Assistant; temporary or permanent; disengaged; abstainer; 36; excellent references. "Chemist," 2 Warwick Mansions, Putney, S.W.

JUNIOR; tall; good address; excellent references; Dispensing, Photography; must be a little time for study. Bowker, The Square, Newport, Salop.

GERMAN Chemist desires position in London as Assistant; willing to give few months free. Albert Liepmann, 10 Chesterfield Street, King's Cross, N.

ASSISTANT; outdoors; unqualified; disengaged; experienced; whole or part time; in district preferred. "A.," 30 Gensing Road, St. Leonards-on-Sea.

JUNIOR, tall, excellent references, Extractor, smart Counterman, Dispensing, Photography, requires Part-time situation in large town. 34/3, Office of this Paper.

DISPENSER (lady) with Hall qualifications desires Part-time post either in institution or with medical man. Apply, "K" (35/31), Office of this Paper.

JUNIOR; 19½; 3 years' Dispensing, Photography, Window-dressing, Optics a speciality; within 6 miles of home preferred. Oliver, Wesley Manse, Darlaston, Wednesbury.

QUALIFIED (30) desires re-engagement as Manager of branch or Senior Assistant in good Dispensing business; highest references. "Pharmacist" (35/24), Office of this Paper.

PERMANENCY wanted, Manchester district; willing; abstainer; unqualified; 26; good Window-dresser and Counterman; references; Photography. "Work" (35/6), Office of this Paper.

PART-TIME 2 days a week; would assist or take charge. "G.," 13 Ingersoll Road, W.

STOCKKEEPER, Counter Help, and assist generally. "Mint," 47 Broseley Grove, Sydenham, S.E.

HANDY man; Stock, Counter, Photography. "Energetic," 185a Pelham Street Buildings, Mile End.

DISENGAGED; 16 years' good London experience; unqualified; 38. Fletcher, Black Horse Yard, Whitby.

DISENGAGED; unqualified; several years' experience. R. M. Lelean, 2 Rockville, Hautville, Guernsey.

RHEL; unqualified; disengaged; middle-aged; competent; Prescriber, Dispenser, Counter, etc. 38/10, Office of this Paper.

QUALIFIED; 30; at liberty evenings from 6.30 or Sundays; experienced. "Dispenser," 15 Fortress Road, London, N.W.

MANAGER; Major qualification; used to large business; up-to-date; married; abstainer; good references. Address, "Apex," 4 Elliott Street, Liverpool.

ASSISTANT; unqualified; 23; 6 years' good-class Counter and Dispensing experience; Photography; disengaged; tall. 38/15, Office of this Paper.

CHEMIST, having sold business after 13 years, desires engagement as Manager; 35; town and country experience; references from Wholesale. "A. H. B.," 1 Sandringham Street, Hull.

UNQUALIFIED, smart, useful Assistant; disengaged; aged 30; Dispensing, Counter, Stock, Photography; window-dressing; outdoors; best references. "W. S.," 30 Bower Street, Bedford.

SWISS; qualified Chemist; examination Braunschweig; experiences, Germany and French, Switzerland; aged 23; references complete; any position. Taeschler, 31 Inchmery Road, Catford, S.E.

MARRIED; 26; unqualified; Dispensing or Retail; capable charge; energetic, trustworthy; sound references and experience; knowledge Photography; seeks permanency. "H.," Sunnyside, Holt, Wilts.

DISENGAGED; married; 26; abstainer; Prescriber, Dispenser, Counterman, Photography; 10 years' London and provincial; unqualified; excellent references. "Adrenalin," 23 Lind Road, Sutton, Surrey.

QUALIFIED Manager, experienced in highest-class Retail and Dispensing, seeks immediate re-engagement; 7 years in present managership; free November 22; highest references; married. England, 2 Montpellier Exchange, Cheltenham.

PHARMACEUTICAL Chemist (28), tall, as Manager or Senior; would consider purchase; accustomed to manage large business; tactful; good town and country experience. 36/33, Office of this Paper.

QUALIFIED Manager, experienced in highest-class Retail and Dispensing, seeks immediate re-engagement; tactful and of good address; highest references; married. "Gentian" (38/7), Office of this Paper.

UNQUALIFIED Assistant; outdoors; good business ability and push; varied experience; excellent references; abstainer; middle-aged; single; disengaged. "Energetic," 5 Beaconsfield Cottages, Hillingdon Heath, W.

MANAGER or Senior; 29; qualified; thoroughly experienced, smart, and up-to-date; excellent Counterman and competent Prescriber; energetic and reliable; good appearance and address; highest references; disengaged. "T.," 6 Arthur Street, Loughborough.

QUALIFIED; 28; good experience; London or suburbs; disengaged 27th inst. "Felix" (37/36), Office of this Paper.

QUALIFIED Manager or Locum; elderly; varied experience; good references. Swift, 262 Earlsfield Road, Wandsworth.

DISPENSER to Doctor; quick; thoroughly experienced; not afraid of work. "K. T.," 70 Avondale Square, Old Kent Road, S.E.

MANAGER, Assistant, or Locum; qualified; 32; good varied experience; disengaged; provinces preferred. "Salol," Glendale, 40 Worcester Villas, Hove.

IMPROVER; 19; passed Preliminary; short experience; outdoors; small salary; shortened hours or time for study; London preferred. "E. R.," 54 St. John's Wood Road, N.W.

MANAGER, Locum, Assistant; qualified; first-class and modern Store experience; excellent references; thoroughly reliable. "Aristol," 102 Briscoe Mansions, Brixton Hill, S.W.

ASSISTANT; unqualified; over 10 years' high-class experience; well up in Dispensing; good references; disengaged; London preferred. Tavenor, Homeleigh, Essex Road, Stevenage.

ASSISTANT; unqualified; 27; tall; Dispensing, Counter, Photographics, Window-dressing, and Stockkeeper; experienced; references; London preferred. Ellis, 54 Park Avenue, Mitcham.

QUALIFIED; 25; tall; good appearance; 9 years' all-round experience; thoroughly capable; used to taking charge; first-class references throughout. "Celeritas" (37/29), Office of this Paper.

PHARMACIST desires engagement as Assistant in a good-class English Pharmacy in order to obtain experience; no salary; London preferred. M. W. Schmid, 8 Nottingham Place, London, W.

MANAGER, Locum, or Assistant; 35; competent, trustworthy, experienced Prescriber, Dispenser, and General Retail; exceptional references; unqualified. "Radix" (35/22), Office of this Paper.

27/6 weekly (outdoors); easy hours; permanency preferred; Dispenser, Bookkeeper, and Assistant; experienced Branch Manager; thoroughly competent; splendid references; 31; abstainer. 37/34, Office of this Paper.

CLEAN shaven, tall, energetic Assistant; 22; 7½ years' experience; absolute abstainer; single; punctual; fair Dispenser; good Counterhand; A1 references; London and provincial experience; permanency desired; interview if desired. "Non-sleepy" (37/39), Office of this Paper.

AN elderly qualified Chemist, active, capable, and highly recommended, desires a respectable situation as Manager of Branch or for widow, trustees, or invalid; a comfortable berth in a healthy country place is more desired than a big salary. Sealy, 5 Penrhyn Crescent, Llandudno.

WHOLESALE.

RETAIL experience, seeks Wholesale; any capacity. "Phenazone," 185a Pelham Street Buildings, Mile End.

YOUTH (20) desires situation as Packer or Warehouseman; 4 years' experience; quick and careful. "J. J. B.," 23 Peckham Park Road, S.E.

AS Porter, etc., Wholesale or Retail; good all-round experience; steady and reliable; good reference. "H. E.," 82 Ifield Road, South Kensington, S.W.

LABORATORY.—Major man desires position; first-class Analytical and General Laboratory experience; competent Analyst. 33/39, Office of this Paper.

LABORATORY Help.—Well-educated youth desires situation as helper in the Analytical Laboratory of a Wholesale house. 229/34, Office of this Paper.

SHOWROOM Salesman; 8 years with leading London Sundries and Patents house; thorough knowledge of trade; age 28. Clarke, 10 Tremaine Road, Anerley.

CHEMIST; Manchester; 3 days a week on commission; Representative, Agency, or undertaker depôt; rooms at liberty. Particulars to 33/34, Office of this Paper.

TRAVELLER in the Drug-trade for Newcastle-on-Tyne and district desires situation; 17 years' experience; splendid connection. Apply, Errington, 124 Park Road, Newcastle-on-Tyne.

GERMAN; 26; good experience in Druggist's Laboratory; book-keeping, and correspondence; French and English; disengaged; salary moderate. Born, 5 Denmark Road, West Ealing, London.

WORKS Chemist, Manager, Representative, 15 years' first-class London and provincial Wholesale experience, desires appointment; home or abroad. "Chemist," 14 Stirling Road, Birmingham.

SMART qualified Chemist seeks berth as Traveller, or several commissions; Midlands or London; tactful, courteous; thorough knowledge of Retail trade and good appearance. 35/35, Office of this Paper.

EXPERIENCED Traveller desires engagement with an established firm who wish to be well represented; satisfactory references from present and past employers. Address, "Alpha," c/o Mr. W. H. Noon, 69 High Holborn, W.C.

REPRESENTATIVE, having good connection among Medical men, Chemists, and allied professions, West of England and South Wales, will be shortly disengaged; Drugs or Sundries. "Mestra" (32/38), Office of this Paper.

PRINTER'S Manager seeks engagement with Wholesale House doing own printing; Labels, Lists, Cartons, etc.; organiser and disciplinarian; practical in all branches; good references. "Label," 76 Shacklewell Lane, Dalston, London, N.

REPRESENTATIVE, personally known to best buyers, Lancashire and Yorkshire, now representing large London firm, is open to represent another house on half-salary and half-expenses (not Sundries); 10 years' connection; highest references. 34/32, Office of this Paper.

SMART business Pharmacist (29), 14 years' all-round experience, Advertising Organisation, Manufacturing, possesses tact, perseverance, and initiative, with original ideas, well educated, excellent conversationalist, complete knowledge of Retail, also Surgical Instruments, desires engagement with first-class house after Christmas, either home or abroad. "Alert" (36/39), Office of this Paper.

FREE COPIES OF THIS SUPPLEMENT

are mailed every week to hundreds of inquirers, and delivered to them on Friday by the same post as "The Chemist and Druggist." They are thus enabled to reply very promptly to any advertisement which suits their needs. All that is necessary to secure the Supplement in this manner is to send a supply of stamped and addressed wrappers or envelopes to **The Publisher** of "The Chemist and Druggist," 42 Cannon Street, London, E.C., when a Supplement will be mailed every week for delivery in any part of the country, as stated above. Inquirers thus save the trouble of weekly application, and are sure of getting what they want, because "The Chemist and Druggist" Supplement is not only the approved medium for advertisements of this character, but has the largest circulation and gives the best results.

The Supplement may also be obtained on personal application at or after 9 a.m. on Friday Mornings at 42 CANNON STREET, LONDON, E.C.

MISCELLANEOUS.

McADAM & TUCKNISS, Sharedealers, 30 Tranquil Vale, Blackheath, S.E. Telephone: 81a Lee Green.

SHARES FOR SALE (free of commission, subject).—182 C. Ash Preference, 25s. 3d. e.d., 5 Ordinary, 30s. 6d.; 50 Boot's Pure Drug "A" 7 per cent. Ordinary, 28s.; 25 E. Cook & Co. £10 Preference, 46 3s. 9d., £200 4 per cent. Debenture, £81 per cent.; 35 Evans Lescher Preference, 102s. 6d.; 100 Idris "A" 6 per cent. Preference, 5s. 1½d.; 100 Virol Ordinary, 7s.; 200 A. J. White Ordinary, 2s. 4½d.; 5 Wright Layman 6 per cent. Preference, 22s.; 30 Wilkie & Soames £10 6 per cent. Preference, 46 16s. 3d.

WANTED (subject).—300 Allen & Hanburys "B" Preference, 22s. 9d.; 50 Southall Bros. Ordinary, 32s.; 200 Wright Layman Preference, 21s.

List of shares for sale and wanted sent free on application. Bankers, London County and Westminster. Established 1893.

£50.—COMPLETE FITTINGS FOR CHEMIST'S SHOP; as good as new and ready for immediate despatch; 10-ft. Wall-case, Mirror Centre, and Recess; 12-ft. Drug-fitting, Glass Labels and Knobs; 10-ft. Mahogany and Plate-glass Counter; 6-ft. very handsome Screen and Counter; Bent Plate-glass Counter-case; Perfume-case and Desk; nest of Counter-drawers; a great bargain. **PHILIP JOSEPHS & SONS**, 93 Old Street, London, E.C.

BARGAINS for Chemists.—All in A1 condition and ready for immediate despatch: Counters, Counter-cases, Wall-cases, Drug-fittings, Drawers, Dispensing-screens, Perfume-cases, etc., etc.; must be sold before Christmas; write us your requirements and we will send full particulars and sketches per return of post. **PHILIP JOSEPHS & SONS**, 93 Old Street, London, E.C.

CHEMISTS' SHOP-FITTINGS (SECOND-HAND).—Ranges mahogany drawers, with bevelled-edge glass labels and cut-glass knobs, shelving above, lockers below; mahogany dispensing-screens, counters with glass-case fronts, wall-cases, bent-front and flat-top counter-cases, counter-desks, tooth-brush cases, complete shop-rounds, etc.; every requisite for chemists; extensive stock to select from at extremely low prices; practical men sent to all parts; illustrated catalogues and estimates free. **MATTHEWS, CHEMISTS' FITTER**, 14 and 16 MANCHESTER STREET, LIVERPOOL.

WE HAVE WHAT YOU REQUIRE, Drug Fittings, Counters, Wall-cases, Dispensing-screens, Perfume-cases, etc., in almost all sizes; second-hand; condition first-class; prices reasonable. Write for sketches and details giving approximate sizes, or call and inspect. **RUDDUCK & CO.**, 262 OLD STREET, E.C.

Dose Tables for Students of Pharmacy.

A TWENTY-FOUR page booklet showing the adult doses in ordinary cases of the principal medicinal agents, with metric equivalents for dispensing and a complete table of atomic weights, comprising the B.P. figures, and the International Committee's latest pronouncements (O=16 and H=1). The booklet measures 4 in. by 2½ in., and can be carried in the vest pocket. To be obtained from **THE CHEMIST AND DRUGGIST** (Book Department), 42 Cannon Street, London, E.C., for **THREE PENNY STAMPS PER COPY, POST FREE**.

PLATE-GLASS Shelves, Window-fittings, Carboys, Counters, Drug-fittings, Dispensing-screens, Wall Cases; second-hand; send for list; cheapest house for high-class fittings; complete Chemist fitters; estimates and designs free; men sent to all parts. **TREBLE & CO.**, Shop-front Builders, Ringwood Road, Walthamstow, London.

TO Trustees, Executors, Liquidators, and others.—Immediate cash to any amount for all descriptions of Chemists' Stocks, Fittings, Fixtures, Wholesalers' Oddments, and Druggists' Sundries; best prices given; cash advanced for any solvent business which can show a good turnover. Apply, in confidence, to **J. H. Hemmings**, 2 Seylla Road, Peckham Rye, S.E.

CHEMISTS' SHOPFITTINGS.—12-ft. Drug-fitting, 60 mahogany drawers, glass labels and knobs; 6-ft. mahogany and plate-glass mirror centre Dispensing-screen and Counter; 8-ft. plate-glass Counter; Perfume-case and Desk; nest Counter drawers; must be sold. **George Cook**, The Working Shopfitter, 8a Cross Street, Islington.

POISONS SCHEDULE, according to the New Act, reprinted from **THE CHEMIST AND DRUGGIST**, with a supplementary list of admixtures, preparations, and other articles brought within the Schedule. On a card (Schedule in front, list at the back) to hang up; price 6d., post free, from the Office of the *C. & D.*, 42 Cannon Street, London, E.C.; or at the published price (4d.) from the leading Wholesale houses.

CHEAP OFFER.—1 13 ft. 6 in. range of 70 mahogany Drawers, with glass labels and knobs, lockers, shelving, pilasters and cornice, £12 7s. 6d.; 1 4 ft. range of 32 Drawers, labelled, 35s.; 4 30-oz. ol. bottles, gold labelled, 10s.; 1 nest of 6 Counter Drawers, label, etc., 15s.; 1 special set of 3 plate-glass shelves, 3 ft. long, for window, with standard bars and brackets, 30s.; 1 4-ft. ditto, 42s.; 1 6-ft. Dispensing-screen, with bevelled mirror and marble slab in centre, £5. **H. TOMLINSON & SONS**, Bond Street, Constitutional Hill, Birmingham.

A.B.C. System of Accounts for Chemists; knowledge of Book-keeping unnecessary; works out gross and net profits, balance-sheet, and income-tax statement with guaranteed certainty; Seventh Edition; does unfailing justice to the man and his business. Particulars and testimonials free, **McQueen & Co.**, Moat Road, E., Leicester.

TO PACKERS of Drugs and Allied Goods seeking extension of trade.—Buying Agents for London and Suburbs wanted for 1d. and 3d. lines handled by all general retailers who buy Carded Drugs, etc.; quality and purity guaranteed; packages unique and attractive; exceptionally favourable terms to parties with large established connection with retailers on ground named. Address, 30/15, Office of this Paper.

CHRISTMAS IS DRAWING NEAR.

Have you considered about your Xmas advertising? For this I have a special artistic advertising scheme, which will be copyright. Only one Pharmacist in a district supplied. Booklet "HOW TO INCREASE YOUR BUSINESS," explaining my Business-pulling system, which is apart from the above, sent post free to Pharmacists. Send for a copy to-night.

J. R. B. ALLISON, Pharmacist & Business Specialist, RETFORD.

What are you doing about Xmas?

Are you making a special effort to secure a big share of the "Xmas Present" trade? If so, we can help you. We have prepared some very special designs in Window Posters and Showcards that will give your window just the essential touch of colour and suggest your goods as possible presents to every passer-by.

Illustrated List Free.

DUDLEY & CO., Window Ticket Experts, Holloway Rd., LONDON.

BERNARD SLACK OFFERS

This month only a special inducement. Namely, all clients joining by November 30 will receive a receipt for thirteen months, their year ending Christmas, 1910. My Christmas plans are now ready, and a special effort is being made to have a record time. Money isn't happiness, but it provides happiness for others. Let me help you to make more by my infallible world-wide used system. Testimonials simply *ad lib.*

BERNARD SLACK,
Princes Chambers, Wolverhampton.

Exchange Column—Bargains.

TERMS.

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.
No Advertisement inserted for less than 6d.

FOR DISPOSAL.

BOOKS AND PERIODICALS.

WHAT offers? Lowson's, Wills's, Stirling's "Prescription Latin"; all good condition. CLARK, 32 Burlington Gardens, Acton, W.

DENTAL.

COMPLETE set dental-forceps, including 2 mouth-mirrors. Details on application, "T," 4 Eastgate Street, Stafford.

DRUGS AND CHEMICALS.

CASH or exohange, 40 lb. chlorodyne, B.P. 1885, 2s. lb., any quantity. PRATT, Pharmacist, Cleckheaton.

FORMULÆ.

BOOT-POLISH formula for sale; black, brown. FRANCE, 42 Vartry Road, London.

OPTICAL AND PHOTOGRAPHIC.

NEW Griffin's folding enlarger; retail 50s.; accept 20s. SMITH, Chemist, Moreton-in-Marsh.

BRUCE GREEN'S complete optical set; spectacles, folders, cases, charts; cost £5. 32/27, Office of this Paper.

PROPRIETARY ARTICLES.

10 DOZ. Keene's corn-cure; excellent condition; 4s. 6d. doz., carriage paid. 30/17, Office of this Paper.

BEST offer—1 Cuticura ointment, 1 4s. 6d. Clarke's pills, 1 2s. 9d. vitaloids, 2 Haroline pills, 2 capsuloids. 33/40, Office of this Paper.

SURPLUS STOCK.—About 2 doz. Serravallo's tonic, 21s. per doz., 3 bottles for 5s. 9d.; iron or milk somatose, 13s. tins for 7s.; perfect condition; carriage paid. "SOMATOSE" (377/44), Office of this Paper.

SHARES.

SHARES for Sale. See p. 66.

SHOP FITTINGS.

PLATE-GLASS stand (Maw's 2720), 35s.; handsome dispensing-counter, 6 ft., £5 10s.; 2 outside show-cases, 30s.; shop-rounds, 6d. each. CALLAM, Chemist, East Dulwich.

DOORWAY show-case and 4 good mirrors. CROUCH, Moorgate Street Station.

FOR sale, 4 perfect pear-shaped carboys, capacity nearly 8 gal., height 36 in., cut stoppers; 3 specie-jars, height 32 in., handsome gilt orrests, labels, and tops, one cracked but riveted and intact; all on painted wood stands. KIRKLAND, Chemist, Crickhowell.

MAHOGANY upright counter-case, 4 ft. by 2 ft. by 6 in. deep, mirror back, glass shelves, £4; mahogany upright case, 2 ft. by 18 in. high, by Treble & Co., glass shelves, £1 17s. 6d.; 1,000 stock bottles, all sizes, gold labels, 6d. each. F. W. SMITH, 3 Belgrave Terrace, Leeds.

MISCELLANEOUS.

PREMIER saliva ejector; complete; cost 30s.; convenient and useful; in good order; 12s. 6d. HOLLOWAY, Broadway, Southend.

WANTED.

1 DOZ. Ozonia. Send price, Wood, Chemist, York.

SHOP-ROUNDS and carboys. HOPKINS, Chemist, Wem, Salop.

3ij. PESSARY mould. ROGERS, Chemist, Wallasey Village, Cheshire.

GENUINE whooping-cough recipe. Particulars, 30/18, Office of this Paper.

COMPLETE optical trial case wanted. Address, 32/40, Office of this Paper.

COMPLETE or part fittings for chemist's shop. 18/21, Office of this Paper.

CARBOYS, cheap, pear, swan, or hanging. State capacity, STONE, Chemist, Watford.

SECOND-HAND Drug fitting, 11 ft. long by 8 ft. high. 241/18, Office of this Paper.

AMBULANCE stretcher wanted, also splints. Send full particulars to COLLINS, Chemist, Pontefract.

MARKING-INK formula; like Bond's; no heat; cash 2s. 6d. "B.," 132 Adelaide Road, London, N.W.

OPTICAL books; Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. GOWER, Bookseller, Waterloo, Liverpool.

"CHEMIST and Druggist," 1859-70, all or parts; also "Analyst," "Soc. Chem. Industry," and old "Chem. Soc. Journals." Offers to 279/19, Office of this Paper.

IN good condition, lamp and bracket for outside; Ashton & Parsons' case of Homoeopathic medicines, also optical test-case. Address, 102 High Street, Burton-on-Trent.

A LARGE marble mortar, second-hand, diameter 18 in. inside or more; also long-handle pestle. Particulars and price to A. PHILLIPS, 48 Tackleway, East Hill, Hastings.

LATEST editions, Newth's "Inorganic Chemistry," Remsen's "Organic Chemistry," Lowson's "Text-book of Botany" (Clive), Humphrey's "Materia Medica." DISPENSER, 2 Manbey Park, Maryland Point, E.

B.P. 1885, Squire, late edition, Ashton's Homoeopathic case, B.P. "Codex," "Pharmaceutical Formulas," pear-shaped carboys, perfume bottles, scales, dispensing, counter, mortars. "CHEMIST," 85 Harper Green Road, Farnworth, Bolton.

MORTARS and pestles, dispensing-scales, pessary-mould, and other utensils; also Squire, Codex, Martindale, "Pharmaceutical Formulas," Vol. I., "Veterinary Counter Practice," P.J. Formulary; latest editions and cheap. 242/67, Office of this Paper.

TO BUYERS AND SELLERS.

We take every care to ensure that proprietary and other goods advertised in this column are genuine surplus stock of reputable persons in business, and are compelled to refuse advertisements sent by those who, when occasion requires, decline to satisfy reasonable inquiries as to their bona-fides.

We again call the attention of those who use this column for the sale or purchase of goods to the desirability of using our Deposit System. Some forward goods before they receive money for them, and others forward money to advertisers before they have even seen the goods. Disappointment in such circumstances is bound to happen now and then, and it is to prevent this, as well as to check fraud, that our Deposit System was instituted.

The buyer sends us the money for the goods, and when we hear from him that they are satisfactory, and not till then, we hand over the money to the seller. A commission of 6d. is charged by us on any transaction of 3l. or less, and 1s. if above that amount. The commission is payable by the buyer, and should be included in the money sent to us. All Cheques and Postal Orders should be made payable to "Edward Halse," and crossed "Martin's Bank, Ltd."

Coming Events.

This Section of the "C. & D." is reserved for advance notices of meetings or other events which are sent to the Editor not later than Wednesday of the week before the meetings, etc., occur.

Wednesday, November 24.

Royal Society of Arts, John Street, Adelphi, London, W.C., at 8 P.M. Mr. T. Thorne Baker on "Photo-telegraphy."

Cardiff Pharmaceutical Association, Angel Hotel, at 3 P.M. Mr. J. Murray on "So-called Secret and Patent Medicines and the Attitude we ought to adopt towards them."

Thursday, November 25.

Cheltenham Chemists' Association, 5 Promenade, at 9 P.M. "Chat on some Local Orchidaceæ," by the President.

Sheffield Pharmaceutical and Chemical Society, Royal Victoria Hotel, at 7 P.M. Annual dinner. Tickets (4s. 6d. each) from Mr. J. Chadwick, Hon. Secretary, 252 Langsett Road.

Chemists' Assistants' Association, 73 Newman Street, Oxford Street, London, W., at 9 P.M. Mr. R. R. Bennett on "Hospital Pharmacy."

Liverpool Chemists' Association. Whist-drive.

National Union of Assistant Pharmacists, Glasgow Branch, Regent Halls, 234 Sauchiehall Street, at 8.30 P.M. "At Home." Tickets (lady's 3s., gentleman's 3s. 6d.) may be had from the Secretary, Mr. Leonard McNab, 13 Park Terrace, Queen's Park.

A PUBLIC MEETING of users of National Cash-registers is to be held at the Holborn Restaurant on Monday, November 22, at 3.30 P.M., under the chairmanship of Mr. H. E. Reed.

THE ANNUAL SOCIAL AND REUNION in connection with the Manchester College of Pharmacy will be held on December 1. Particulars from Mr. W. S. Ramsden, 225A and 227A Oxford Road, Manchester.

THE ANNUAL DINNER of the Nottingham Pharmaceutical Association will be held at the Victoria Station Hotel on December 2. Tickets from the Hon. Secretaries, Mr. T. Freeman, 57 Mansfield Road, and Mr. E. E. H. Turton, 2 Chapel Bar.

MIDLAND PHARMACEUTICAL ASSOCIATION.—Inaugural meeting will be held in the Grand Hotel on December 1, at 7.30 P.M. There will be a reception, followed by a whist-drive and supper. Tickets (3s., double 5s. 6d.) may be obtained from Mr. Radford, 14 Union Street, and from the Hon. Secretary, Mr. H. Buckingham, Witton Road, Aston Manor.

Trade-marks Applied For.

Objections to the registration of any of the undermentioned applications should be lodged with Mr. Temple Franks, Comptroller-General of Patents, Designs, and Trade-marks, at the Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned. The objection must be stated on Trade-marks Form No. 7, cost £1, obtainable through any money-order office. The figures in parentheses refer to the classes applied for.

(From the "Trade-marks Journal," November 3, 1909.)

Picture of a leaf: for brushes (50). By Beechwood, Ltd., Higham Road, Chesham. 315,203.

"PENETRA": for toilet-brushes (50). By Titterton & Howard, 8 and 10 Great Titchfield Street, London, W. 316,648.

(From the "Trade-marks Journal," November 10, 1909.)

"PUREXIDE": for chemicals (1). By Purex, Ltd., Greenford Green, Harrow. 316,614.

"CONTROLITE": for chemicals (1). By H. M. Wells, Bloom Street, Salford, Manchester. 317,113.

"ANTHRAFLAVONE," "BURMOL," "EGLANTINE," "FUSCAMINE," "LUDIGOL," "PALATININ," "SIRIUS," and "TUSCALINE": for all goods (1). By Badische Co., Ltd., 2 Samuel Ogden Street, Manchester. 317,130/7.

"COOK'S" (by order): for manures (2) and soaps (47) and (48). By Edward Cook & Co., Ltd., Bow, London, E. 312,848/9, 312,850.

"GERMBOLIC": for disinfectant liquid soap (2). By Wm. Lynd & Co., Ltd., Bowman Lane, Leeds. 315,880.

"MUSTEEN": for medicinal chemicals (3). By Ernest Goodwin, 27 Grove Terrace, Bradford, Yorks. 311,936.

"SPERMINOL": for medicines (3). By Handelshaus Leopold Stolkind & Co., 6 Schicklerstrasse, Berlin. 314,929.

"MINERAL SPRING" HEALTH GRANULES: for a saline preparation (3). By T. Kerfoot, Oldham Road, Bardsley, near Ashton-under-Lyne. 315,812.

"LACTOLINE": for a skin-preparation (3). By H. J. Dorée, 104 Newgate Street, London, E.C. 316,329.

"VITAREGIS": for medicinal salts (3). By G. R. Hoare, 39 Aldermanbury, London, E.C. 316,507.

"MATTAN": for medicinal chemicals (3). By F. Kripke, Urbanstrasse 64, Berlin, S. 59. 316,509.

"PHENETHER": for liquid medicated soap (3). By J. R. Cave, 52 Nevill Street, Southport. 316,535.

"LIFEBOAT": for medicinal chemicals (3). By F. W. Hampshire, Silk Mill Lane, Derby. 316,661.

"OGALLALA": for a medicine (3). By Alfred Spillman, 103 Stainsby Road, Poplar, London, E. 316,698.

"LACTOBACILLINE": for a pharmaceutical preparation (3) and for alimentary goods (42). By La Société Anonyme "Le Ferment," 77 rue Denfert-Rochereau, Paris. 316,880/1.

"OCENTRIC": for optical goods (8). By H. Brinkhaus, Königsweg 7, Berlin-Schöneberg. 315,826.

"MASSAGENE": for medical electrical apparatus (11). By L. B. Hall, 16 Meadowcroft Road, Palmer's Green, London, N. 316,118.

"ROBORAT," and label device: for a food (42). By Richard Weiss, 8 Harp Lane, London, E.C. 315,627.

"CREMOVINE": for a cream of tartar substitute (42). By F. Bossom, 149 Queen's Road, Leicester. 316,557.

"SILVOX": for beef-tea tablets and a fluid beef (42). By Co-operative Wholesale Society, Ltd., Thames Road, Silvertown, London, E. 316,626.

"KOMBELLA": for all goods (48). By Hantzschel & Co., Florastrasse 9, Dresden, A. 4. 316,386.

Variae.

THE CHEMIST'S MEDICAL DICTIONARY.—"This concise, popular, and handy booklet is a useful addition to the pharmacist's shop library, and is just what I wanted," writes a subscriber (227/66). The C. & D. publishes it at 2s. 6d., by post 2s. 9d.

PLEASE NOTE.—In several of our recent issues the figures in the address of Mr. R. W. Barker, patents and trade-marks agent, 56 Ludgate Hill, London, E.C., in leader page dropped out and were incorrectly replaced. We shall be glad if readers who may address Mr. Barker as to those matters in which he is expert, will note the correct number—56.

HYGIENIC SYPHONS.—In the City of London Court on November 12 and 15, before Judge Rentoul, K.C., the Karabon Co., Ltd., 3 Long Acre, sued the Hygienic Syphon Co., Ltd., 20 Bucklersbury, E.C., for 32l. 6s., the price of fourteen gross of ebonite shields, moulded, at 29s. per gross, and 12l. towards the cost of three moulds made for the defendants, who paid 22l. 19s. 9d. into Court, and his Honour gave judgment for them beyond that amount, with costs.

THE STANDARDISATION OF DISINFECTANTS, with special reference to the disinfectant preparations commonly sold to the public, is the subject of two long articles in "The Lancet." The first, on the chemical part, appeared in the issue of November 13, and the bacteriological will appear this week. The disinfectants referred to are Cofectant, McDougall's, Kerol, Okol, crude carbolic, Bactox, Cyllin (medical), Calvert's No. 5 Carbolic, Cyllin (bulk), Izal, Lysol, Lawes', Pearson's, Jeyes' (chemists'), Krysyl, Zotal, and Jeyes' No. 2 (grocers').

BEES, LTD., AND MR. SNOWDEN, M.P.—A communication was received on Thursday, November 18, by Mr. Lord Gifford, Blackburn, from Mr. Philip Snowden, M.P. Bees, Ltd., nurserymen, of Liverpool, wrote to Mr. Snowden observing that from his remarks on the Poisons and Pharmacy Act he was unacquainted with the subject from the horticultural traders' point of view. A circular issued to the Liverpool City Council on the question was enclosed, and Bees, Ltd., asked for Mr. Snowden's careful perusal of it, "in which case," said the writers, "we are sure you will readily admit the justice of our case and modify your views, as suggested by the attitude you took up in the House of Commons."—Mr. Snowden informed Mr. Gifford that he had replied to this effect: "I do not need to have specially selected extracts given to me, as I know quite well what was promised when the Poisons and Pharmacy Bill was under consideration, and that the indiscriminate granting of licences to dealers is a breach of promise and faith."

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By taking advantage of the liberal allowance for Window Shows on repeat orders, it is possible to make this profit throughout. A window show allowance of 15% is allowed on all repeat orders of 30/- net, and a further 5% cash discount over and above the ordinary trading profit. Two examples are given below:

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	Cost Price	Minimum Selling Price
	£ s. d.	£ s. d.
2½ dozen 1/1½ Oatine Cream @ 11/3 ...	1 6 3	1 11 6
½ " 2/3 " " " 22/6 ...	11 3	13 6
	1 17 6	2 5 0
Less 15% allowance for window show	5 7	
	1 11 11	
Less 5% Cash in thirty days ...	1 11	1 10 0
	£1 10 0	0 15 0

Showing a profit of 50 per cent.

VARIOUS PREPARATIONS.

	Cost Price.	Minimum Selling Price.
	s. d.	s. d.
1 doz. 1 1/1½ Oatine Cream @ 11/3 ...	11 3	13 6
1/1½ " 2/3 " " 22/6 ...	5 7	6 9
1/1½ " 1/1½ " Snow " 11/3 ...	5 8	6 9
1/1½ " 1/1½ " Balm " 11/3 ...	2 10	3 4
1/1½ " 2/3 " Soap " 22/6 ...	3 9	4 6
1/1½ " 1/1½ " Talcum Powder @ 11/3 ...	1 10	2 3
1/1½ " 1/1½ " Tooth Paste " 9/-	1 6	1 10
1/1½ " 1/1½ " Shaving Cream " 9/-	1 6	1 10
1/1½ " 1/1½ " Stick " 9/-	2 3	2 9
1/1½ " 1/1½ " Face Powder " 13/6	2 3	2 8
	1 18 5	2 6 2
Less 15 % window show allowance ...	5 9	
	1 12 8	
Less 5 % Cash in 30 days ...	1 11	1 10 9
	£1 10 9	15 5

Showing a profit of 50 per cent.



If you are not getting your share of these profits it is not our fault. It is up to you to help yourselves to them. The Oatine Preparations sell themselves—at least, the Oatine advertising sells them for you.

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No. 4. Red Leatherette Case, Diamond Grain, Satin and Velvet lined, containing 8 pieces. Doz. 21/-
 „ 6. Ditto „ 9 „ „ 30/-
 „ 8. Ditto „ 11 „ „ 42/-



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Each in box, complete with Bellows.

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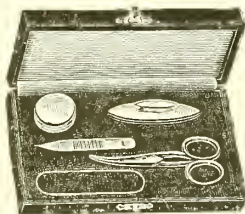
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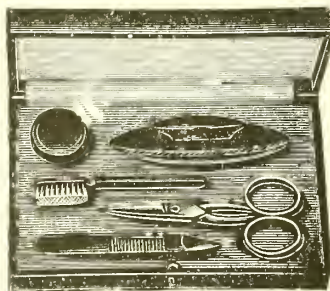
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Hand Painted Real Japanese Ch.na.
 Most Artistic. 3 Patterns. Doz. 30/-



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 „ 2. Ditto, containing 6 pieces „ 12/-
 „ 3. „ „ 8 „ „ 16/-



No. 11. Leatherette Case, Velvet and Satin lined, containing Nail Scissors and Ebony Polisher, Brush, &c. Doz. 24/-
 „ 12. Ditto, superior quality „ 36/-
 „ 13. Ditto, ditto 6 pieces „ 45/-
 „ 14. Ditto, ditto 8 pieces „ 66/-
 „ 15. Ditto, ditto leather case „ 78/-
 „ 16. Ditto, ditto „ „ 114/-



No. 5. Red Leatherette Case, Diamond Grain, Satin and Velvet lined, containing 7 pieces. Doz. 24/-
 „ 7. Ditto „ 9 „ „ 36/-
 „ 9. Ditto „ 11 „ „ 48/-
 „ 10. Ditto „ 14 „ „ 60/-



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A FEW SPECIAL XMAS. LINES.

Sealgrain Leather. Best Real Ebony Fittings each 15/6
 Ditto in Pegamoid (stronger and of better appearance than leatherette) ... „ 11/6
 Sealgrain Leather Case, containing 2 brushes, mirror and comb, Real Ebony „ 22/-

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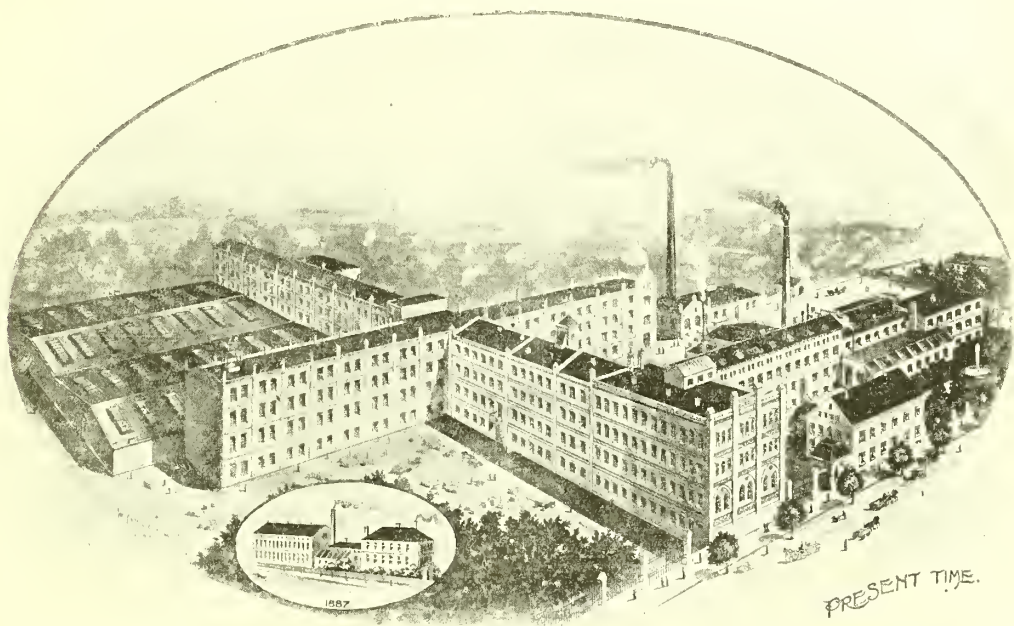
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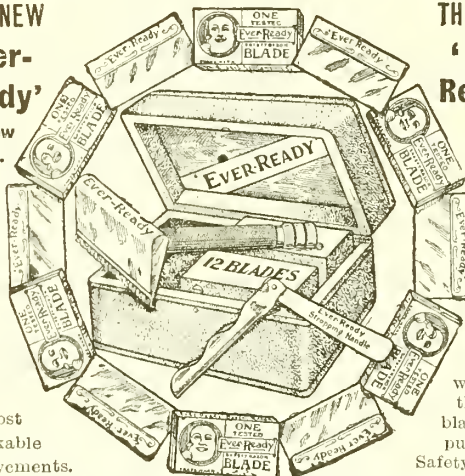
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BRISTLES GRIPPED IN HARD RUBBER
**The Brush that can't
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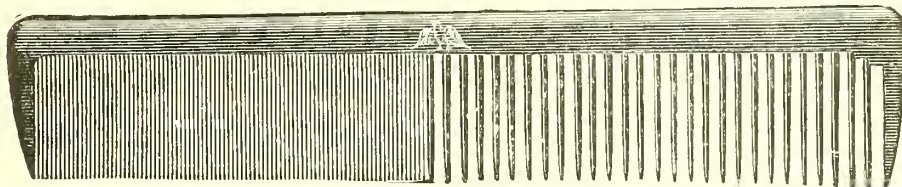
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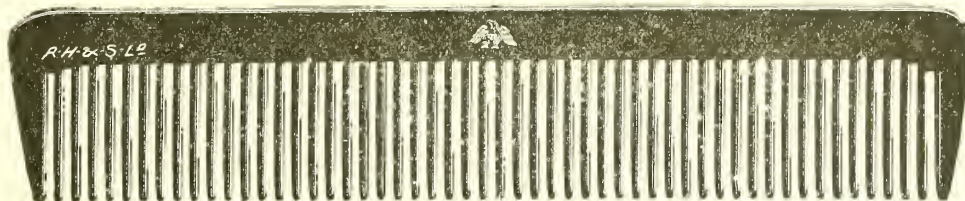
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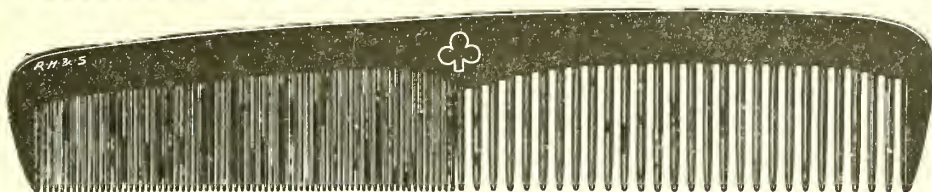
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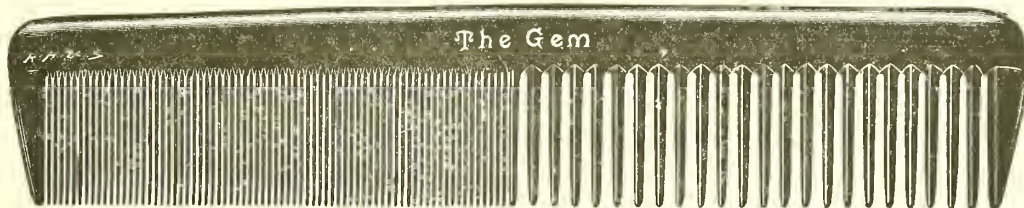
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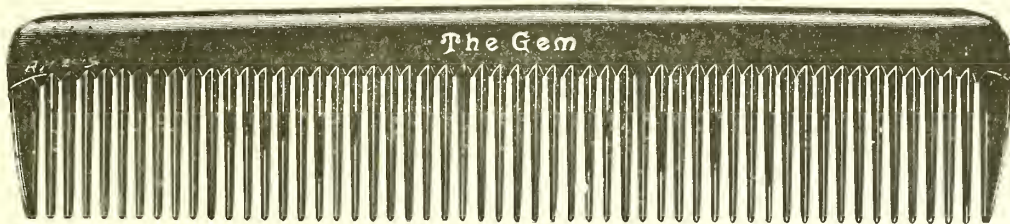
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" Anethi, Concent.	4/- "	" Flor Aurant.	8/6 "	" Pimentæ "	4/- "
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" Camphoræ "	4/- "	" Fœniculi Conc.	4/- "	" Rosmarini "	4/- "
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Winter Issue, 1909, pp. 86, 87.

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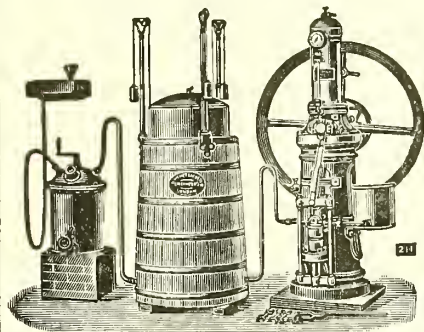
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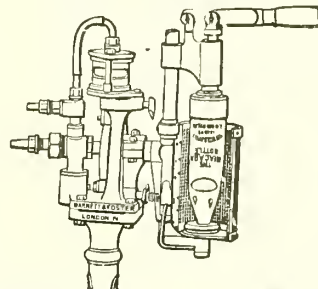
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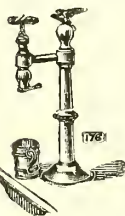
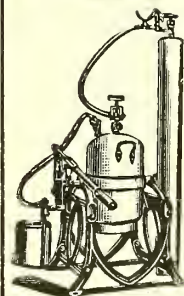
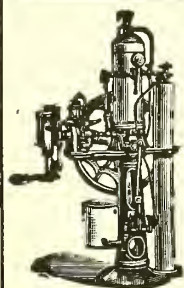
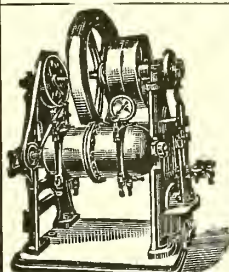
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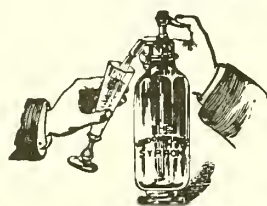
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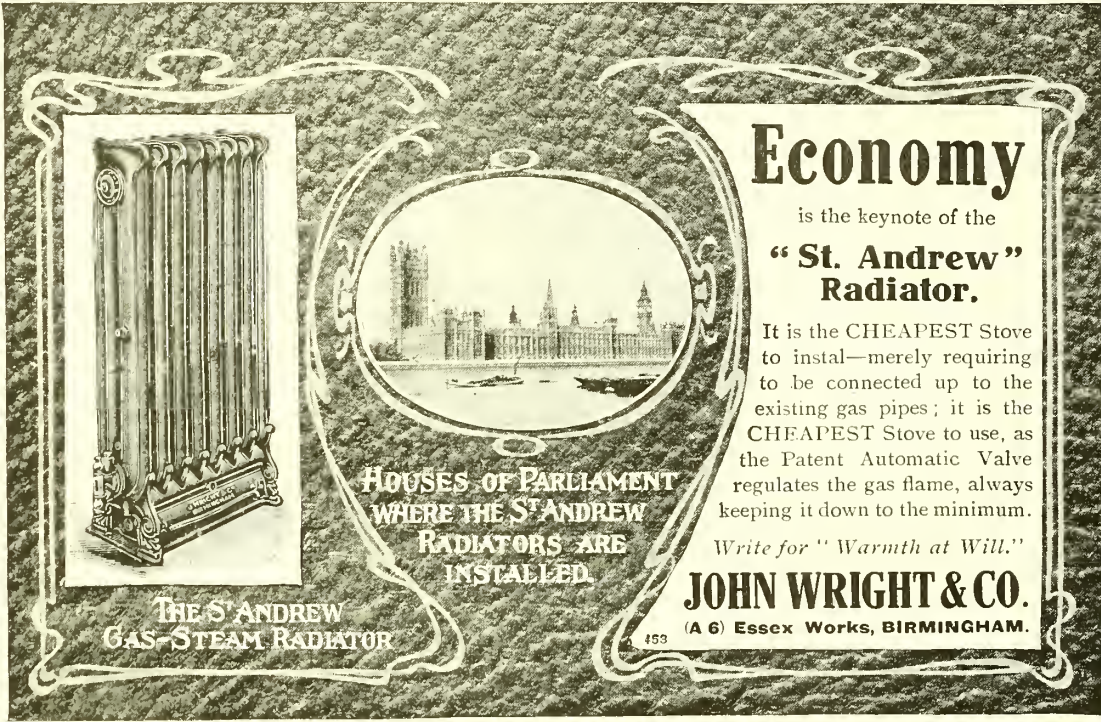
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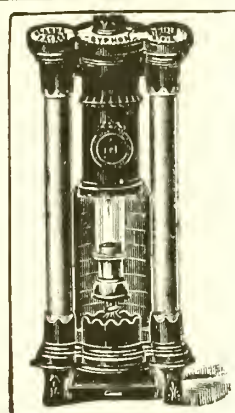
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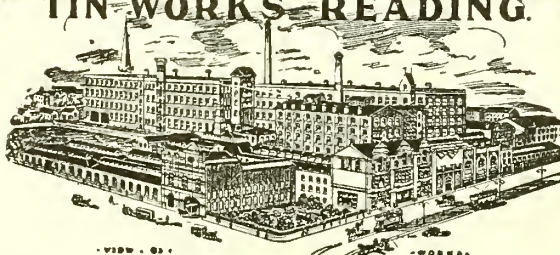
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— AND FOR THE —

Prevention and Cure of Phthisis.

See *The Hospital*, Aug. 7th, 1909, for report of successful use in Phthisis by a London doctor.

GUAIACOSE is obtainable in original bottles (contents being sterilised), one bottle sufficing for over one week's treatment for an adult.

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**SCOTT'S****EMULSION**☐ **Sells quickly.**

☐ All you have to do is to hand out the bottle and take in the money.

☐ More than that, people's experience of the first bottle prompts them to come to you again, so that every bottle sold promises the sale of more bottles. Once a customer, always a customer where Scott's is concerned.

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Now packed in very attractive display outers containing 3 dozen 6d. boxes; again a P.A.T.A. protected price.

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A toilet preparation that will satisfy two classes of custom

Euthymol Cold Cream wins support from those who look for elegance and daintiness in a package, and also from those to whom the quality of the contents makes the strongest appeal.

In this sense, Euthymol Cold Cream will give you a twofold advantage in the district served by your pharmacy.

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The best season of the Pharmacist's year, embracing at least six months, during which the dispensing and sale of medicaments in pastille form constitute an important item in the day's business.

But both physicians and public are keenly critical of the quality of these goods, and it is only by dispensing and selling the best that the Pastille Season may be made permanently profitable.

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and Black Currant
- " Lemon Juice
- " Linseed, Liquorice and
Chlorodyne
- " Menthol, gr. 1/8
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50 TABLETS in Amber Bottle

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Name on three dozen.

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Unsolicited Testimonial from a Chemist.

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I am recommending them to all my friends, telling them what the doctor said. You are quite at liberty to make use of this letter.

Yours faithfully,

CHARLES R. STEDMAN, Chemist, ROTHERFIELD.

FORMALIN THROAT TABLETS preventive to diphtheria, measles, mumps, quinsy, scarlet fever, and other germ propagated diseases.



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British Pharmacists throughout the Empire,
ESTABLISHED 1859.

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Prix de l'abonnement annuel: le Journal une fois par semaine, et l'agenda une fois par an, 12-60 francs, franco.

Jährlicher Abonnementspreis: die Zeitung einmal wöchentlich, und der Notizkalender einmal im Jahre, 10 Mark, postfrei.

Precio de suscripción anual: el periódico una vez por semana, y el agenda una vez por año, 12-60 pesetas, franco.

Terms for advertising in THE CHEMIST AND DRUGGIST can be obtained on application to the Publisher at the

Head Office: 42 CANNON STREET, LONDON, E.C.

Telegrams: "Chemirus London." Telephone 852 Bank (two lines).

Branches: ADELAIDE, MELBOURNE, AND SYDNEY, AUST

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INSETS.

THE Publisher of THE CHEMIST AND DRUGGIST invites correspondence from business-houses in regard to the insertion in this journal of price-lists, circulars, and specially-printed trade-announcements as Insets. There will be an opportunity for placing these early in 1910, and it is important that printers who undertake their production should have the Publisher's instructions as to "make-up."

SUBSCRIBING TO THE "C. & D."

THIS is an exceptionally busy season in our subscription department. It would be a great assistance to that part of our staff if C. & D. subscribers whose year expires this month would send in their subscriptions as early as possible, so that there may be no delay in despatching their copies of the 1910 *Diary*. Half-a-sovereign pays for fifty weekly numbers of the C. & D., the Winter and Summer Issues of 1910, and a copy of the *Diary*. This is a good time to begin subscribing. Do not wait until the end of the year—subscriptions may commence in any month, and now is the time to ensure getting a copy of the *Diary* for 1910. It is to be full of good practical articles and just the sort of information that business men need frequently throughout the business year.

Summary of the Week.

Articles and Communications.

The awards in the Prescription-problem Competition are delayed, owing to the large number of postcards received.

Further considerations requisite in buying, starting, or conducting a chemist's business are advanced by Jay Mack in an article on p. 787.

The question of the purity of chloroform has once more been raised in connection with deaths from narcosis in surgical cases. We note the facts on p. 785.

"The Law Relating to Poisons and Pharmacy" is the title of a book by Mr. W. S. Glyn-Jones which is published this week. It is likely to influence the law in interpretation and practice (p. 783).

Mr. John C. Umney communicates results of analyses of this year's otto of rose, from which it appears that this oil now contains more alcohols than in 1896. Other important considerations are also put forward (p. 786).

Professor Jonnesco, of Bucharest, has made an important improvement on anæsthetic solutions and the method of administering them for spinal anæsthesia. As a result, operations can be performed on upper parts of the body, including the brain and face. See full details on pp. 783 and 784.

The abandonment of the "Pharmacy" action is "Xrayser's" principal topic (p. 781), as it is also the leading subject in our correspondence columns (p. 799), but the President of the Pharmaceutical Society holds out hope that it is not abandoned. See his remarks on p. 791, and ours on p. 784.

Legal Reports

The Court of Appeal permit "California Syrup of Figs" to be registrable as a trade-mark, but not "Perfection" for soap nor "Orlwoola" for fabrics. The judgment lays down important principles (p. 775).

The Pharmaceutical Society is attempting to secure the conviction, under Section 17, of a registered chemist in London who labelled a poison with his trade-name, and not his own name. Mr. Glyn-Jones appeared for the Society and Mr. Kirby defended. The defence included statements that Mr. Walter Hills and Mr. R. A. Robinson, ex-Presidents of the Pharmaceutical Society, have, in common with many others, used trade-names only. The Magistrate has deferred his judgment (p. 773).

News of the Week.

An Anti-saccharin Conference has been held in Paris this week (p. 771).

Smethwick traders have discussed the loss in handling some proprietary articles (p. 770).

The position of the Finance Bill is referred to by our Parliamentary representative (p. 768).

Edwards' Harlene Co. have had 5,000 letters addressed to them stolen before delivery (p. 770).

The Cape medicine-stamp tax has made a further move forward, the Pharmaceutical Society having had an interchange of views with the Prime Minister. For the result see p. 772.

Trade Matters.

The market features include an easier feeling in opium and a reduction for next year in soda-ash; menthol, Japanese peppermint oil, soy, and shellac (at auction) are higher, while tragacanth, lycopodium, and copper sulphate are firmer. Business is quiet for the period of year, but the export demand for heavy chemicals is good (p. 795).

Winter Session

Apart from festive gatherings of chemists' associations (p. 791), we report ordinary meetings of the following: Bath, Birkenhead, Bradford, Edinburgh, Forfarshire, Glasgow, Guildford, Harrogate, Huddersfield, Manchester, North Staffordshire, and Portsmouth. At Birkenhead resolutions as to the Mercer case and poison licences were passed (p. 789); Dundee chemists are to draw up a price-list (p. 788); Mr. Cripps spoke on the Food and Drugs Act and the Pharmacist at Portsmouth; and Mr. Grier discussed the Pharmacopœia at Manchester, where an assistants' section is to be formed (p. 789). At Glasgow Mr. Sutherland spoke on pharmacy sixty years ago, and at Edinburgh Mr. David Murray dealt with the vanishing foundations of pharmacy (p. 790), while the Federation and scales were the principal topics at Stoke-on-Trent (p. 791).

Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

All communications for this section should be addressed thus "Corner for Students," *The Chemist and Druggist*, 42 Cannon Street, London, E.C."

QUALITATIVE ANALYSIS.

A MIXTURE of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture will comprise acids and inorganic bases occurring in the British Pharmacopœia, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

Students' applications for portions of the mixture of salts (accompanied by a *stamped and addressed envelope*, marked "Corner for Students" on the top left-hand corner) will be received up to Tuesday, November 23, and the samples will be posted on the following day.

Students' reports will be received up to Saturday, December 4. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

SPECIAL NOTE.—The analysis announced above forms the second exercise in the analytical tournament for the current winter session. The usual monthly first and second prizes in this series of analyses will be awarded only to apprentices or assistants who are preparing for the Qualifying examination of the Pharmaceutical Society of Great Britain or of Ireland, which fact *must be attested on their reports*. Students who adopt a *nom de plume* must adhere to it throughout the tournament.

English and Welsh News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

Brevities.

Mr. J. T. Good, chemist and druggist, 110 Cheltenham Road, Bristol, is having the interior of his pharmacy refitted and modernised.

The Royal Society is awarding the Davy Medal to Sir James Dewar for his low-temperature research, and a Royal Medal to Professor Ronald Ross, C.B., for his work on malaria.

At the Hackney Photographic Society's exhibition a collection of negatives, transparencies, and lantern slides is shown by Messrs. Burroughs Wellcome & Co., along with the "Tabloid" developers and toners used in their production.

A Reuter telegram from Stockholm states that the "Svenska Dagblad" says the Nobel prize for chemistry will be awarded to Professor Wilhelm Ostwald, of Leipzig, and the physics prize will be divided between Signor Marconi and Professor Ferdinand Karl Brun, of Strassburg University.

Two photographs by Mrs. W. H. Goy, 17 Battersea Rise, Clapham Common, S.W., are given in the "British Journal of Photography" of November 12. The photographs have been designed as advertisements of Wright's coal-tar soap. The subject is a little maiden washing doll's clothes. Mrs. Goy is a chemist's wife.

Messrs. Brunner, Mond & Co., Ltd., have purchased an estate of upwards of 300 acres at Sandbach. They authorise a contradiction of the report that they intend to build large additional chemical works. The company already own works at Wheelock, Sandbach, and they intend probably to utilise the minerals under the new estate, but have no intention whatever of building thereon.

Mr. T. H. W. Idris, M.P., the "Daily News" states, is a keen lover of everything Canadian, and has just imported a large number of apple-trees from the Dominion for planting in the orchard of his beautiful grounds at

Dolycae, under the shadow of Cader Idris. Some time ago a number of Canadian maple-trees were planted there, and they are thriving wonderfully well in the Welsh soil.

Speetacle-makers' Company.

The half-yearly examination of applicants for the diplomas granted by this Company for efficiency in optical knowledge, as well as eight-testing proficiency, was held in the large hall of the Northampton Institute, Clerkenwell, London, E.C., on November 16 and 17, commencing each day at 9 A.M. A prize of 5*l.* 5*s.* for the highest number of marks gained is offered by Mr. J. Raphael, wholesale optician, of Hatton Garden, and awarded on the fiat of eight examiners and assistant examiners, two of whom are experienced members of the trade. Forty (all but one) presented themselves to undergo a test which is severe enough to prevent any but the thoroughly well qualified passing.

The Finance Bill.

Our Parliamentary Representative writes: "With the notice of rejection of which Lord Lansdowne, the leader of the Opposition in the House of Lords, gave notice on Tuesday, the fate of the Finance Bill, which has occupied the attention of the Lower Chamber for an abnormal period—depriving the officials, and, indeed, everyone save members themselves, of their usual holidays—may be said to be sealed. The second reading debate, which will, of course, partake more of the character of a funeral oration, commences on Monday next and is expected to occupy some two or three days at the outset, and the Bill, it goes without saying, will then be rejected by an enormous majority. Indeed, a larger attendance of peers is expected at Westminster than has been seen since the Home Rule Bill was last before Parliament. After the rejection of the Bill there is nothing left but an appeal to the constituencies, and this there is little doubt will take place early in the New Year—in all probability in January."

Lectures on Essential Oils.

The sixth lecture of the Borough Polytechnic series by Mr. C. T. Bennett, B.Sc., delivered on November 10, dealt with the alcohols and ketones of the terpene series occurring in essential oils. The characters of natural and synthetic camphor, the processes of manufacture, and the methods of obtaining the more important derivatives were described, including the oxime, phenylhydrazone, semicarbazone, and oxidation-products. The following compounds were then taken:—Borneol, terpineol, thujyl alcohol and thujone, fenchyl alcohol and fenchone, pulegol and pulegone, carvone, menthol and menthone, and their characteristic derivatives. Specimens were kindly provided by Messrs. Wright, Layman & Umney, Ltd.

Institute of Chemistry.

An appeal is being issued by the Institute of Chemistry for funds for securing suitable premises for the Institute's offices and laboratories. The lease of the premises at present occupied in Bloomsbury Square expires in 1914, and as street widening in the neighbourhood will necessitate the reconstruction of the east side of Bloomsbury Square, including the Institute premises, another position must be secured. It is estimated that a sum of from 10,000*l.* to 15,000*l.* is required, towards which 143 subscribers have already promised sums amounting to over 5,000*l.* There are 1,300 members of the Institute. Donations may be made in one sum or by annual contributions during the next five years. The report of the special committee appointed to consider the matter referred to is interesting reading and should convince those Fellows and Associates who have doubts as to the desirability of spending money in acquiring new administrative offices and laboratories.

Contracts.

New Romney (Kent) Town Council.—The Sanitas Co., Ltd., for sodium manganate at 23*s.* per cwt.

Tunbridge Wells Town Council.—Lawes Chemical Co., Ltd., carbolic fluid at 1*s.* 3*d.* per gal., less 2½ per cent.; H. E. Hope & Co. for carbolic powder at 4*l.* 5*s.* per ton, less 2½ per cent.

London County Council.—The Stores Committee has accepted the following tenders for annual supplies: First-aid and nursing appliances, Arthur Berliner, 9*l.*;

Harrington Bros., Ltd., 117.; Hospitals and General Contracts Co., Ltd., 1037.; S. Maw, Son & Sons, 177. Sponges: International Sponge Importers, Ltd., and Cresswell Bros., 247.; Henry Marks & Sons, 797.; Newton & Cook, 2227.; John Phillips & Sons, Ltd., 167.

Liverpool Notes.

Steele's Drug-store, 79 Breckfield Road North, is now closed up.

Boots, Ltd., have opened a new branch drug-store at 6 Long Moor Lane, Aintree.

Local milk dealers are beginning to recognise the money-making powers of the lactic-acid bacillus. One large dairy is pushing "Lactigen" milk.

With the sudden cold snap, and a foretaste of winter, the demand for seasonable requisites has set in steadily and tends to brighten things up.

The local police have been inquiring in the Chinatown of the city where they get supplies of opium, cocaine, and the like, with a view to putting a stop to the trade in these articles.

The recent "Pharmacy" decision has given rise to much comment, varied, frequent and free, local opinion on the whole being that it will have a tendency to tone the trade up and promote the "class" feeling that has been noticeable by its absence.

On Wednesday, November 10, the Liverpool Section of the Society of Chemical Industry held its first meeting in the chemical laboratories of the University, Mr. Max Muspratt presiding. Papers were read by Messrs. J. M. Taylor and H. W. Greenwood, and Dr. Donnan exhibited a new form of regulator, by means of which electric lights may be turned high or low in the same way as gas.

Midland Notes.

Mr. J. B. Blades, chemist and druggist, of Leek, is the diocesan reader in North Staffs, and has been specially licensed for some time by the Bishop of Lichfield to preach. At the harvest thanksgiving services, recently held at Kingsley Moor Church, Mr. Blades was the preacher, and one of his sermons dealt with the subject of "Contentment."

Mr. Thomas Bentley, of Stoke, the Hon. Secretary of the North Staffs Chemists' Association, has arranged an evening concert on behalf of the North Staffs Infirmary, which is to be held at Stoke Town Hall on November 22. The programme will be entirely furnished by one of Mr. Bentley's electric auxeto-gramophones. Over 800 tickets have already been disposed of for this concert in aid of local charity.

At the Staffs Assizes on November 13, before Mr. Justice Jelf, Henry Woodfine Simpson (40), farmer, Clifton Campville, was sentenced to six months imprisonment under the Offences Against the Person Act in respect of a fifteen-year-old servant in defendant's employ. The prosecution alleged that defendant sent the girl, who was *enquete*, a box of 132 pills. The directions on the box were that twenty to thirty pills were to be taken every day after meals. However, the girl did not take any. The pills were obtained from a chemist at Burton, and prosecuting counsel commented upon the chemist's advertisement in a local paper. It was alleged that though individually the pills were not of a harmful character, to take from twenty to thirty a day would constitute them a noxious thing, and their application would be an offence against the person. For the defence it was stated that the chemist said that not more than two or three were to be taken at a time, and that no offence against the person was intended. The jury after half an hour's consideration, found the defendant guilty with the result above stated.

London and Provincial U.R. Druggists' Association.

A meeting of the Liverpool branch of this association was held at the Waterloo Hotel, Clayton Square, on Wednesday, November 10. Mr. J. Roberts, Bootle, presided, and congratulated Mr. Leggett (Secretary) in having recovered somewhat from his recent illness. The Secretary then read a considerable amount of correspondence and referred to the exemption as to known, admitted, and approved remedies, warning those who enjoy it "to look to their laurels." He also spoke of "the pernicious Act of

1908, which ignored competent men who had served chemists faithfully and well all their lives." The Secretary also touched upon the important items that had been and were still to come before the courts, upon which there was a long and animated discussion. The proceedings concluded with thanks to the Chairman and the Secretary.

London Medical Students and Degrees.

At the Society of Apothecaries dinner, given at their hall to meet the Lord Mayor on Tuesday evening, November 16, Mr. Warden Norton, in proposing the toast of "The Royal Colleges of Physicians and Surgeons," suggested the advisability of steps being taken whereby the medical students of London might be able to obtain a University degree similar to those granted by the Universities of Scotland and Ireland and the provincial Universities of England. He said that the Government should be urged to create a new University, to be called the State University of Medicine, which should give only the degrees of doctor of medicine and surgery. Sir Douglas Powell, President of the Royal College of Physicians, in responding, said that for the last thirty or forty years both the Royal Colleges had been doing their utmost to bring about in some form or other a pass degree for London men, but he thought a State University of Medicine was impossible. There could not be a University of one faculty only. The Royal Colleges had been hard at work with the conjoint board considering the question of obtaining a degree for London students, and he was hopeful that some good would be done in that direction by the Royal Commission recently appointed.

Sheffield and District Notes

Memories of an old-time Sheffield chemist were revived on the golden wedding, on November 15, of Mrs. R. Corker, of Rotherham, who is a daughter of the late Mr. Rawson, chemist.

The annual dance of the Sheffield Chemists' Athletic Club was held at the Imperial Rooms, Pinstone Street, on Thursday, November 11. There was a very good attendance.

The training of medical herbalists was the subject of discussion at the monthly meeting of the members of the local branch of the National Association of Medical Herbalists on November 11. Mr. Thomas Tildesley (Parkgate) presided over a good attendance, and all the members joined in the debate.

The Sale of Laudanum.

At the inquest at the Sheffield Union Hospital regarding the death of Frederick Jones, who died at that institution from laudanum-poisoning, the evidence showed that deceased sent his son for three separate pennyworths of the drug to Mr. George Ellinor, 76 Spital Hill, Sheffield. Mr. Ellinor, who was called as a witness, deposed that he supplied 2 dr. of laudanum for a penny, and that on the second occasion he asked the boy for what purpose the laudanum was required. The lad answered that it was to rub his father's chest. Witness was somewhat surprised when the boy Jones came a third time, but the purchaser said the bottle had been knocked over and the liquid spilled. As he stated that the laudanum was wanted badly, witness sold a further supply. Laudanum contains practically 1 per cent. of morphine. In reply to the Deputy-Coroner, Mr. Ellinor said he did not know as much about the 1908 Act as he did about the previous Pharmacy Acts. He was not aware that preparations containing 1 per cent. of morphine are now in Part I. of the Schedule of Poisons. He considered it was quite a proper thing to sell poisons to a boy of twelve in three separate lots. He was not supposed to know that the boy was telling lies. He knew from the newspaper that another chemist had refused to sell laudanum to a boy of that age.—The Deputy-Coroner said Mr. Ellinor made a mistake when he said that laudanum contained 1 per cent. of morphine, as it contained only 0.75 per cent., and Mr. Ellinor had done all that was required by the law. The vendor had in his opinion made a mistake in supplying the boy with three separate lots. A verdict of "Felo-de-se" was returned.

Football.

Pharmaceutical F.C. v. Occident F.C.—Played at North Ealing on November 13. The teams were fairly well matched, and the game ended in a draw, each side scoring three goals.

Pharmacists and Proprietary Articles.

At a meeting of the Smethwick Traders' Association the President (Mr. C. H. Rayner) introduced a discussion on the subject of proprietary articles. He said that their shops had almost become free posting stations. The manufacturers assisted the trader until the sale was established, and then the wholesale price was increased; so that ultimately the retailers not only run the chance of no profit, but helped forward methods by which the consumer was robbed in order to maintain the huge dividends of the monopolist. He advised members of the Association to let it be their aim throughout their business career to discourage in every possible way the sale of preparatory articles. What trade was more affected than the pharmacists of the country? There can be no trade, he thought, that was more unduly pressed and robbed of its profits. Through the sophistries of the manufacturers the public got obsessed with the idea that a particular article was the best, and when the retailer had made a trade, they said that he had to pay a big wholesale price for the goods. It was a matter of national importance, and he thought if the trader would consider the matter, it would mean that he would gradually break away from the fact of being an advertising agent for those who are making huge fortunes. Mr. H. M. Trammer agreed that the members of his profession—the pharmacists—were the worst treated of any class of traders. Seventy per cent. of the advertisements in their periodicals dealt with things that were warranted to kill or cure. And they were perfectly helpless. Mr. Trammer spoke on the way in which wholesale prices were altered after a sale had been opened. They were compelled against their will, judgment, and conscience to stock certain things. The whole of their trade was pestered with that kind of thing. He pointed to some articles which had quite changed their composition, and yet old testimonials were used to advertise their efficacy. It was decided to adjourn the discussion.

Police-court Charges.

At Uttoxeter on November 10, Alphonso John Sale, porter, was bound over for a year for stealing a quantity of goods from his employer, Mr. G. R. Hankinson, chemist and druggist, High Street, Uttoxeter. The prosecutor did not press the case.

At the Mansion House Police Court on November 13, three young men, named Wallis Scott, Alfred Dewberg, and Henry Miller, were formally remanded on a charge of being concerned in stealing and receiving scent belonging to the Crown Perfumery Co., the employers of the prisoner Miller. Detective-Sergeant Sharp stated that he had found three bottles of scent and also some empty scent-bottles at Dewberg's house. Miller, when arrested, said he had sold Dewberg about seven bottles of perfume at 6d. to 1s. each. Scott said he had received only two bottles.—Scott and Dewberg were allowed bail.

At the East Ham Police Court on November 11, William Hall (37), of Bethnal Green, and Stephen Lloyd (20), of Bow, London, E., were charged with being concerned in stealing and receiving 9½ lb. of potassium iodide, value 6/., the property of Messrs. Burgoyne, Burbidges & Co. The evidence disclosed that Hall, who worked at the Coleman Street branch, met Lloyd, an employé at the High Street South stores, in Bethnal Green, and handed him a parcel, when a detective, after inquiries, arrested the pair. The accused were remanded, bail being refused, as the police stated that the robberies from the firm had been extensive.

At Bow Street Police Court on November 11, a postman named Franklin (35) was committed for trial on a charge of stealing thirty-nine letters addressed to the Edwards' "Harlene" Co., 95 and 96 High Holborn, London, W.C. Mr. H. H. Curtis Bennett stated that the company had received many complaints of postal orders addressed to the firm going astray. He desired it to be known by those whose letters had gone astray that it was no fault of the company. At the Central Criminal Court on November 17 Franklin was sent to prison for twelve months' hard labour. William A. Mayfield (23), porter, admitted receiving a number of postal orders knowing that they had been stolen. He was sentenced to nine months' hard labour. Franklin when arrested had thirty-nine letters upon him, and confessed to stealing upwards of 1,000 letters addressed to the

Edwards' "Harlene" Co. The company's representative stated that over 5,000 letters had gone astray.

Bodie Bother.

Following upon the example of their Glasgow *confrères*, many London medical students gathered at the Canterbury Music Hall, Westminster Bridge Road, London, S.E., on November 15, to give a reception to "Dr." Bodie. The latter did not, however, appear, it being stated that he was too ill, and the students contented themselves with interrupting the progress of the performances. After leaving the music-hall various processions were formed, which proceeded to various parts of the West End, and also to Blackfriars Road, where Bodie had previously rented a shop. A crop of summonses at four metropolitan police-courts resulted on the following day, when lenient treatment was meted out to ten students, who were either bound over or mulcted in small fines. At the Tower Bridge Police Court, James L. Gravett (20), engineering student, was fined 10s. and 30s. damage for breaking windows at 163 Blackfriars Road, at the premises formerly occupied by "The Bodie Electrical Drug Co." The caretaker deposed that the premises were now empty.

Irish News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

Personal.

Mr. M. J. Foley, pharmaceutical chemist, has opened a pharmacy at 136 Great Britain Street, Dublin.

Mr. John S. Shortt, pharmaceutical chemist, has relinquished business at 27 Upper Sackville Street, Dublin.

Mr. P. J. D. Fielding, pharmaceutical chemist, Patrick Street, Cork, has been elected a member of the committee of the Cork Chamber of Commerce.

Sir William Baxter, Vice-President of the Pharmaceutical Society of Ireland, has been elected representative of the Coleraine Urban Council on the local Harbour Board.

Mr. W. Crymble, Ballee, Downpatrick, has passed the Final examination of the Royal Colleges of Surgeons and Physicians of Ireland. Mr. Crymble served an apprenticeship with Mr. W. Shields, The Medical Hall, Downpatrick.

Mr. D. J. Nugent, pharmaceutical chemist, who was a candidate for the position of compounder to the Croom Guardians, formerly held by his late father, was unsuccessful in obtaining the post. When the matter came before the Guardians the other candidates had been expected to withdraw their applications, but this did not happen, and after an exciting debate Mr. Timothy Lynch, pharmaceutical chemist, was eventually elected.

Cinematograph Chemistry.

At Belfast Municipal Technical Institute last week Professor Hawthorne, B.A., Ph.D., for the first time in Belfast, used the cinematograph to illustrate a chemistry lecture. Mr. J. Lizars, of Wellington Place, supplied films, and demonstrations were given of various phases of chemical action, such as the electrolysis of water, the combustion of mercury sulphocyanide, the burning of steel filings in oxygen, the solution of metals such as silver in nitric acid and gold in aqua regia, the generation of carbonic acid gas from chalk, and the formation of carbon from sugar.

Police-court Cases.

A man who broke into the premises of Messrs. Hayes, Conyngham & Robinson, Ltd., Main Street, Blackrock, Dublin, was on November 12 committed for trial at the City Commission.

At the Dublin Southern Police Court on November 10, Herbert Brayshaw, *alias* Bracewell, described as a chemist, was committed for trial on a charge of obtaining money by false pretences. It was stated that prisoner called upon a firm of jewellers and sold a solution for silver-plating which he said was made by Messrs. Thompson & Rogers, Sheffield. The solution is alleged to be useless for the purpose, and there is stated to be no firm at Sheffield of the name mentioned.

At Belfast on November 11 a well-dressed man, named Robert Carlin, was charged with the attempted larceny

of 2,000 cigarettes, the property of Messrs. Leahy, Kelly & Leahy, Ltd., by means of a trick; also with stealing 2,000 cigarettes, the property of Messrs. Wm. J. Glover & Co., and 1,503 cigarettes, the property of Messrs. Leahy, Kelly & Leahy, Ltd., on September 24, by similar means. Messrs. Leahy, Kelly & Leahy, Ltd., received a telephone message purporting to be from Messrs. Wm. Dobbin & Co., Ltd., chemists and druggists, North Street, ordering 2,000 cigarettes to be sent to the railway station addressed to Mr. R. Fleming, Lisburn, and 2,000 to be sent to Messrs. Dobbin & Co. When, subsequently, Messrs. Dobbin were asked on the telephone regarding the order, they stated that they gave no such order. A dummy parcel was made up and sent to the railway station, where Constable Mulrooney saw accused obtain the parcel from the cloak-room. A witness from Messrs. Glover & Co. gave evidence as to receiving a telephonic message purporting to come from Messrs. Thomas McMullan & Co., chemists and druggists, Victoria Street, asking that eight boxes of cigarettes be sent to the Great Northern railway station for Mr. R. Fleming, Lisburn. It was subsequently ascertained that Messrs. McMullan never gave the order. In connection with the third charge, Mr. Leahy received a telephone message purporting to come from Messrs. McMullan & Co., to send 1,500 cigarettes, and these were delivered to the cloak-room at the railway station. Prisoner pleaded guilty to all the charges, and was sent to gaol for six weeks.

Scots News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

Personal.

Mr. A. Alexander, chemist and druggist, has been elected a member of the Alford Town Council.

Mr. Robert Sinclair, chemist, Falkirk, who was some months ago appointed an interim member of Falkirk Town Council, has now been returned unopposed for Camelon Ward.

Mr. John Raffan, pharmacist, Port Street, Stirling, has been elected Bailie of the borough. Mr. Raffan is a Banffshire man, but has been in Stirling for a quarter of a century. He was elected to the Town Council in 1903.

Edinburgh.

At the Edinburgh Dean of Guild Court on November 11, Messrs. J. F. Macfarlan & Co., manufacturing chemists, received warrant for the erection of new works at Northfield Avenue, Portobello Road, with a chimney 110 ft. high.

In the action by Mrs. Miller against St. Cuthbert's Co-operative Association, Ltd. (reported last week), for 500*l.* damages for alleged slander, the jury on Tuesday, November 16, after two hours' absence, returned a verdict for pursuer, and assessed the damages at 160*l.*

At a sitting of the High Court of Justiciary, held in Edinburgh on November 16, at which Duncan William Hay (72), described as a chemist of 31 Abercromby Street, Glasgow (his name is not on the register), pleaded guilty to performing an illegal operation and was sentenced to three years' penal servitude. It was stated that prisoner had conducted a chemist's business in Glasgow for forty years.

It is rumoured that Messrs. Inman, Ltd., have acquired premises in Princes Street, and that they propose to start another branch there. Messrs. Baildon, Princes Street, are transferring their West-end branch from Princes Street to Shandwick Place. Still another start is contemplated in the district. Mr. Sutherland, chemist and druggist, lately assistant to Mr. Lunan, will open shortly in the vicinity of the Dean Bridge.

In the hall of the Edinburgh University Union on November 12, Dr. A. Crum Brown, F.R.S., was presented with his portrait, painted by Mr. E. A. Walton, R.S.A. Professor James Walker presided, and Sir William Turner, Principal of the University, in making the presentation, said that when Dr. Lyon Playfair resigned the chair of chemistry in 1869 Dr. Crum Brown was elected his successor, and he held the position with distinction until he reached the age of seventy last year.

French News.

(From the "C. & D." Paris Correspondent.)

OBITUARY.—The death is announced at Malzéville, near Nancy, at eighty-two years of age, of M. Eugène Jacquemin, honorary director of the Nancy Inferior School of Pharmacy.

FRENCH CUSTOMS TARIFF.—The French Chamber on November 11 again passed a number of items in the Customs tariff, including celluloid, colours, perfumes, spices, glues, and sugar of milk.

COMEDY AND PHARMACY.—The hero of M. Gaston Devore's play just produced at the Athénée Theatre, "Pago Blanche," is Daniel, the village pharmacist. He loves Juliette, the young and ingenious daughter of Champoreau, the local veterinary, just opposite, whom her ambitious mother designs to be the bride of the aged and effete Count de la Marmontaine. Need one say that in the fourth and final act the timid young pharmacist is finally linked to the object of his choice, and that his office is the scene of Cupid's triumph.

CROUP AND ITS TREATMENT.—It is interesting to notice, in view of the comparatively recent discovery of Dr. Roux, that just a century ago Napoleon I. offered a prize of 12,000*fr.* for the best essay on croup and its treatment. His little nephew (the son of Hortense, daughter of Joséphine) had died of this disease during the previous May. Napoleon's letter instructing the Institute to offer the prize states that the malady had only made its appearance some twenty years previously, but that it had already claimed many victims in Northern Europe, and had invaded France but a few years previously. The prize was divided between two doctors, one from Bremen and one from Geneva.

INTERNATIONAL ANTI-SACCHARIN CONFERENCE.—At the French Ministry of Foreign Affairs on Monday, November 15, M. René Renoult, Assistant Financial Secretary, presided at the opening of the International Conference for suppressing the use of saccharin in foodstuffs. The Swiss Diplomatic Minister in Paris, M. Lardy, acknowledged on behalf of the foreign Delegates the welcome extended to them by M. Renoult. The meeting then proceeded to nominate Professor Bordas as President of the Congress and the following gentlemen as Vice-Presidents: M. Melhorn, German delegate; M. Prilejaieff, Russian delegate; M. Delyanni, Minister of Greece at Paris; and M. Lardy, Swiss Minister at Paris. With the exception of Great Britain, all the leading countries of Europe are represented at the Congress. The first meetings have been devoted to the study of existing legislation concerning the suppression of the sale and distribution of saccharin and similar products. It was stated that the manufacture of this chemical is declining in many countries. Germany is said to possess a single manufactory only, of which the products are restricted to therapeutical purposes. On the other hand, in Switzerland, where the manufacture of saccharin is unrestricted, six manufactories supply annually a quantity corresponding to a sweetening strength of 48,000 tons of sugar.

India and the East.

(From the "C. & D." Correspondents.)

PERSONAL.—Mr. H. G. Harris, who has been with Messrs. Fitch & Co., Ltd., Mussoorie, for many years, has resigned, and joins Messrs. Martin & Elgar, agents in Asia for Frederick Sterns & Co., Detroit, Mich., and Johnson & Johnson, New Brunswick, N.J., U.S.A.—Mr. C. W. White sails by P. & O. s.s. *Arabia* on December 3 from Bombay.

LATEX COAGULATION IN Ceylon.—Dr. David Sandmann, of Berlin, has recently instituted an action in the District Court of Colombo against Messrs. Ch. & A. Böhringer. Plaintiff claims to be the patentee of a process of coagulating latex by fluorine. He alleges that defendants have infringed his rights by advertising hydrofluoric acid for such purposes and selling it. Plaintiff claims 5,000 rupees damages and asks for an injunction to restrain defendants from continuing the infringement.

Australasian News.

The Commonwealth.

POISONING STATISTICS.—Seventy deaths from poisoning occurred within the Commonwealth in the quarter January to March 1909. Of these forty one were suicides and twenty-nine accidental. The figures per mille in the various States range as follows: South Australia, 0.002; Victoria, 0.014; Tasmania, 0.016; New South Wales, 0.018; Western Australia, 0.026; Queensland, 0.027. This partly supports the idea that those States with an efficient Poisons Act show a low death-rate from poisons. Of suicides by poison twenty-five were of males and sixteen of females; from accidental poisoning nineteen males died and ten females. One death was due to burning by corrosive fluid. The actual number of deaths in each State was as follows: New South Wales, 27; Queensland, 15; South Australia, 1; Tasmania, 3; Victoria, 17; Western Australia, 7.

New South Wales.

EXPLOSION IN A PHARMACY.—On October 4, the chemists' shop at the corner of William Street and Riley Street, North Woolloomooloo, was entirely destroyed by an explosion and a fire which followed. Mr. Clarence Shurpe, the proprietor, and his assistant, Mr. G. H. H. Binder, were seriously injured, whilst four other persons were struck by falling debris.

METHYLATED SPIRIT.—Mr. J. I. Marshall suggests in the "Sydney Morning Herald" that $\frac{1}{2}$ grain of emetine to the pint should be used to denaturise spirit so as to cause retching each time a drink is taken. This, he says, would not interfere with the use of the spirit for commercial purposes, but would make it unfit for human use. But emetine costs 2s. for 60 grains of extractive, or $2\frac{1}{2}$ grains for a penny, and the emetine could be easily removed by precipitation.

South African News.

(From the "C. & D." Correspondents.)

Cape Colony.

MR. W. HARLOW, 48 Hanover Street, Cape Town, has been appointed South African representative for Messrs. Ayrton, Saunders & Co., Ltd., Liverpool.

PHARMACY ACT CONTRAVENTION.—At the Wynberg Police Court on October 19, Mr. S. A. Gribben, of Mowbray, was charged, on remand, with contravening the Medical and Pharmacy Act (C. & D., Nov. 13, p. 739). Accused, who reserved his defence, was committed for trial, bail being granted as before.

PERSONAL.—Mr. S. K. Elgie, of Durban, Natal, has been in Cape Town during the past week as a delegate to the Anglican Synod which has been sitting in Cape Town. He left on October 27 by the *Armada Castle* for Durban.—Mr. W. Elford Rogers, local representative for Messrs. Oppenheimer, Son & Co., Ltd., arrived by the mail-boat from England on October 25. He will be in Cape Town, where he has established permanent offices, for six weeks, after which he will make an extended tour through the country.

NORTHERN DISTRICTS CHEMISTS' ASSOCIATION.—The annual meeting of this Association was held at Sneddon's Rooms, Kimberley, on October 22. There were present Mr. Cooper (Chairman), Messrs. Turpin, Parry, Robinson, Pimm, Murray, Barnsley, Bishop, Burton, Smith Houghton, Thane, and Green (Secretary). On the motion of the Secretary, Messrs. Cooper, Wilkins, and Turpin were appointed a deputation to interview the Secretary of De Beers Benefit Society re various schedules in the tariff and also re prices allowed for tabloids.—Mr. Cooper proposed that members of Parliament be written to and advised that the N.D.C.A. is strongly opposed to any amendment of the Patent-medicines Stamp Act whereby a uniform charge for stamping in different parts of the Colony is not made.—Mr. Smith Houghton proposed that the members of the Association do not give Christmas boxes in future, and that the fact be advertised in the "Diamond Fields Advertiser."—The annual report stated that there was a balance in hand of 2*l.* 17*s.* Mr. Parry audited the accounts. Twelve general meetings and one special meeting had been held during the year. Although the attendance had fallen off a little during

the middle of the session, considerable improvement had been witnessed lately. Several interesting papers were read during the year, but an appeal was made for more of the members to take an active part in making the meetings more attractive and useful.—The election of officers resulted as follows: President, Mr. Cooper; Vice-President, Mr. Barnsley; Secretary, Mr. T. Murray; committee, Messrs. Parry, Turpin, Green, Thane, Robinson, Smith Houghton, and Pimm.

STAMP-TAX ON CIGARETTES.—The text of the Government Bill for taxing cigarettes has now been published. Briefly the Bill provides that cigarettes shall be sold only in sealed packets of not less than ten in each, each packet to bear a halfpenny stamp unless the contents exceed $\frac{1}{2}$ oz. in weight, when the stamp must be one penny, with a halfpenny extra for every half-ounce, or ten cigarettes, as the case may be. The penalties for infringement are severe. For not stamping or correctly cancelling, the fine is 20*l.*, or not exceeding three months' imprisonment; while for obstructing an inspector in the performance of his duty, the punishment incurred is a fine not exceeding 100*l.*, or imprisonment not exceeding twelve months. The chief interest to the chemist lies in the official definition of a shop, which is considered to be far too drastic. Clause 3, paragraph 2, is as follows:

Cigarettes shall be taken to be sold by retail whenever sold, no matter in what quantity, to any person purchasing them for any purpose other than the *bona-fide* purpose of resale by him in the ordinary course of his business; and cigarettes shall be taken to be exposed for sale by retail as soon as they are brought into any shop or premises in which any such retail transactions take place, or into any store, room, or other premises attached thereto, and directly communicating therewith by any door, window, or the like.

It is understood that it is the Government's intention to make a definition on the above lines apply to the amended medicine-stamp tax which is shortly to be introduced. The second reading of the Cigarette-taxing Bill has been passed and the Bill is now in Committee, where it is safe to assume great efforts will be put forth to have the offending clauses modified. The Pharmaceutical Society of Cape Colony have already received promises of support from sympathetic members of both Houses of Parliament.

AMENDING MEDICINE-STAMP AND LICENCES ACT.—The Prime Minister (Mr. Merriman) has given notice of his intention to introduce the following motion in the Cape House of Assembly on October 28:

That, subject to an Act to be hereafter passed, the following duties shall be levied:

On every transfer of a commercial traveller's licence, a stamp-duty of 1*s.*

For carrying on the business of an agent of a foreign firm, over and above his licence as an importer, general dealer, or any other business he may hold, half-yearly 25*l.*, yearly 50*l.* And for each additional firm represented by him (not to exceed in all 50*l.*) additional 5*l.* (If continuously resident in this Colony for at least three years prior to application, half the above rates.)

In respect of patent or proprietary medicines sold by retail or exposed for sale by retail, when the retail selling-price in Cape Town (or at the place of manufacture within this Colony) of the contents of each immediately containing packet, box, etc., as the case may be, exclusive of the amount of the stamp-duty, does not exceed 1*s.* 6*d.*, a stamp-duty of 2*d.* If it exceeds 1*s.*, for every additional 6*d.* or part thereof of such price an additional stamp-duty of 1*d.*

For amended definitions of the term "patent or proprietary medicines," and of the meaning of "exposed for sale by retail," chemists in Cape Colony will have to wait until the text of the Bill is available. The committee appointed by the Pharmaceutical Society, which waited upon Mr. Merriman on May 19 (C. & D., June 19, p. 936), have done useful work in drawing up a list of amendments which they consider in the interests of the chemists are desirable. A copy of these in the form of a letter was sent to the Secretary of the Law Department in June, and the committee, in interviews with various officials, have given the Government plenty of opportunities to learn the chemists' views. Every chemist in the Colony will receive a copy of the letter, and the members of the House of Assembly will also receive a list of the desired amendments a few days before the Bill is brought forward. The committee recommended the inclusion of the words "and secret" after "patent and proprietary," but, as will be seen, this is not included in the Premier's notice of

motion. The scale recommended by the committee as the basis for stamping is one penny in the shilling, but the Premier's intention is to double the revenue from the tax, by making one penny for every sixpence or part thereof above 1s., the standard of value. The Pharmaceutical Society will endeavour, with the assistance of members in both Houses, to get their committee's proposals adopted.

Transvaal.

PERSONAL.—Mr. Frederick A. Howorth, chemist and dentist, left Johannesburg for England on October 25. Mr. Howorth has been with Drs. Doering, dental surgeons, since 1905. He was apprenticed in Staffordshire, and was for a year with Mr. Shrubsole, of Chester, before proceeding to study at the Northern College of Pharmacy, from where he took the Minor examination. He then took a course of study at the Middlesex and National Dental Hospitals. Mr. Howorth may be addressed c/o THE CHEMIST AND DRUGGIST.

THE MARRIAGE of Mr. John Christie, chemist, Fordsburg, and member of the Council of the Pharmaceutical Society of the Transvaal, to Miss Agnes Young, on October 20, was the notable event of the month. Miss Nellie E. Marshall, sister of Mr. W. B. Marshall, manager of Messrs. Turner & Co., acted as bridesmaid, and after the ceremony the bride's parents held a reception in the Masonic Hall, Fordsburg. Among the guests were Mr. James Johnston (President of the Pharmaceutical Society of the Transvaal), who proposed the health of the bride and bridegroom, Messrs. J. Anderson, F. Benson, H. L. Karnovsky, W. T. Keating, W. B. Marshall, W. C. McRobb, H. E. Mills, and R. Neilson. After the reception a procession of motor-cars escorted the party to the station. In the first two cars were pipers, who "skirled" airs that excited the Scotsmen present. Mr. Christie was apprenticed to Mr. Hawthorn Stewart, Paisley, after which he went to Canada, before finally settling in the Transvaal, where he was with Messrs. Smith, Rive & Co., Ltd., Johannesburg, before opening a pharmacy of his own in Fordsburg.

Pharmaceutical Society of Cape Colony.

A GENERAL MEETING was held at the Society's headquarters, Mercantile Buildings, Hout Street, Cape Town, on October 21. The President (Mr. W. Froembling) occupied the chair. The company included Mr. S. K. Elgie (President of the Pharmaceutical Society of Natal) and Messrs. G. Cleghorn, J. Sowden, H. R. Peck, C. Merry, C. Weller, W. Aitken, J. Clayton Smith, J. Francis, H. S. Pollexfen, and J. Dell (Secretary). The President, having welcomed Mr. Elgie, congratulated Mr. G. Cleghorn, the Society's nominee, on his election to the Pharmacy Board. The Secretary read letters from Mr. W. K. Mager (Queenstown) and Mr. J. Parry (Kimberley) asking for the Society's support in the event of a Pharmacy Board election. A communication from the Editor of THE CHEMIST AND DRUGGIST announced the presentation of a set of C. & D. books to the library of the Society. (Applause.) The Secretary was instructed to write thanking the proprietors for their most useful gift. The President announced that the revision of rules had occupied more time than was anticipated. He therefore proposed that a committee be elected to continue the revision, and that the committee report to the next meeting. The motion being agreed to, Messrs. W. Froembling, G. Cleghorn, J. Sowden, F. C. Mathew, W. E. Crow, H. R. Peck, and J. Clayton Smith were appointed to form the committee. Mr. S. K. Elgie thanked the President for his welcome, and extended greetings from the Natal Society. In view of future possibilities under Union he thought the more the various Societies got to know of each other the better it would be. He was extremely pleased with the Society's new arrangements, particularly in regard to education. He wished that the Natal Society could make similar provisions. Mr. Elgie spoke at some length on trade conditions in Natal, all of which, particularly the disabilities under which chemists suffered, seemed strangely familiar to the members. The Natal Government, however, apparently deals more sympathetically with chemists than does the Cape Parliament. Mr. Elgie could not express an opinion as to what would happen under Union, but he stated that it should be the aim of the various Pharmacy Boards in South Africa to level up the standard of examinations to that of the examining body in Great Britain. In answer to Mr. Peck, Mr. Elgie stated that in regard to medicine-stamps a measure had been introduced into the Natal Parliament, but in deference to the chemists' vigorous representations it had been withdrawn.

Legal Reports.

Pharmacy Act, 1868.

HALL'S DRUG-STORES CASE.

At Bradford County Court on November 17, Judge Graham, K.C., delivered judgment in the case, the Pharmaceutical Society v. Nice, the hearing of which was reported in the C. & D., November 6, p. 705. The charge was for selling poison, the defendant not being a registered chemist, and his Honour had taken time to consider this case as the evidence was conflicting. The defendant now asked if he could go into the box, and his Honour having permitted him, the defendant denied having sold laudanum to any person, and he thought the two witnesses which he called when the case was first heard bore out his statement. Witness was briefly cross-examined by Mr. Beldon, after which his Honour said he found that the plaintiffs could enforce the penalty of 5*l.*, and he gave judgment accordingly.

Mr. Beldon then read to the Court a statement which had been compiled by the Pharmaceutical Society in answer to the remarks made by his Honour as to sampling when the case was last heard. It was substantially as follows:

"When complaints are received that poisons are being sold by unqualified persons, if the bottle or packet containing the mixture or ingredient is labelled with the name of the article, the word 'poison,' and the name of the seller, it is not usual to go to the expense of having it analysed until there are some indications that the case is likely to be contested. The whole facts of a case are submitted to the Law Committee of the Council, and if that Committee decides to recommend a prosecution, the matter is brought before the whole Council for sanction or disapproval. Over 500 cases of alleged infringement are reported every year, and the average number of cases in which proceedings are authorised is under 200, while of this number only about twenty-five are contested. The integrity of the persons instructed to make purchases is provided for. There is no power to demand, as in the Sale of Foods and Drugs Acts, to be served with an article. It had been suggested that the seller should be asked to affix his initials to the bottle, but such a course would undoubtedly arouse suspicion, and if the article were handed back for this to be done, it is probable that the Society's agent would not get it again. His Honour's suggestion that the seller and purchaser should immediately proceed to the City Analyst would be as a general rule impracticable, because purchases are frequently made late in the evening or on Saturday afternoons, and often there is not a competent analyst within miles. Again, the quantity of poison purchased is usually so small that it would not be possible to divide the purchase so as to leave a sample with the seller on account of the difficulty which the analyst would then have of ascertaining whether the sample contained a scheduled poison. The number of cases taken by the Society under the Act is large and a heavy burden on the Society. If there is any ground for thinking the methods adopted by the Society are faulty, a clause would have been inserted in the Poisons and Pharmacy Act, 1908, and in view of the fact that there is seldom conflicting evidence such as there was in the present case, the Society could not see its way to make any alteration in the present methods beyond instructing its agents to endeavour to obtain corroborative evidence."

His Honour said that statement did not quite meet his point, which was that when there was conflicting evidence he was put in the position of having to decide upon that evidence, but he could not quite see how the Society could make any alteration in the present system.

Mr. Beldon agreed, and added that the Society would do all they could in the matter, and would give it their careful consideration.

THE USE OF FIRM-NAMES.

At Old Street Police Court, London, E.C., on November 17, before Mr. Biron, Mr. Thomas Edwards, chemist and druggist, 36 Pitfield Street, Hoxton, N., was summoned for selling opium not distinctly labelled with the name of the seller, contrary to the provisions of Section 17 of the Pharmacy Act, 1868. Mr. W. S. Glyn-Jones, Barrister-at-law, prosecuted on behalf of the Pharmaceutical Society, and Mr. C. H. Kirby, of Messrs. Neve, Beck & Kirby, solicitors, defended. There was a second summons, for having sold oxalic acid at another shop belonging to defendant at

11 Sturt Street, Shepherdess Walk, N., but it was agreed to take the cases separately.

Mr. Glyn-Jones, in opening the case, read Section 17 of the 1868 Act, and added that the case really was as to whether the seller of a poison must use his own name on the label or may use an assumed or trade name. There has been no High Court decision on this point. At the shop where the poison was purchased the name on the fascia and on the lamp was "Godfrey, chemist," but inside the shop was exhibited a certificate bearing defendant's name. The poison sold was laudanum mixed with soap liniment, and he supposed the defence would not dispute that the poison contained morphine—a scheduled poison within the meaning of the section.

Mr. Kirby called attention to the words of the summons, "sold a certain poison—to wit, opium," and submitted that opium and laudanum are not the same poison—in fact, they are treated differently in the Schedule.

The Magistrate: Does that really matter if it is proved that defendant sold a poison?

Mr. Kirby: Well, defendant is charged with selling opium, and he sold laudanum.

The Magistrate: I think you must waive the point. At the most it would only mean an adjournment for the purpose of amending the summons.

Mr. Glyn-Jones then called as a witness George Woldock, who purchased the poison. This witness said that the name outside the shop was "Godfrey," and that inside was a certificate bearing the name "Thomas Edwards."

The Magistrate: What is this certificate?

Mr. Glyn-Jones explained that no shop can be conducted as a chemist's unless the certificate of qualification is exhibited, the purpose being to ensure that the shop is in charge of a qualified chemist.

Witness, continuing his evidence, produced the bottle. On the label were three addresses, and he put a mark against Pitfield Street, the shop where he bought the poison.

The Magistrate: This word "laudanum" was written on when you received the bottle?

Witness: I only put a mark against the address where I bought the poison. Continuing, witness said that the shop at South Street, also mentioned on the label, had three names over it.

Mr. Kirby: Surely this has nothing to do with the case before the Court?

The Magistrate: I suppose the object of having the name and address on the label is so that one can trace where the poison came from?

Mr. Glyn-Jones: Yes, and also to show that it is sold by a qualified person.

The Magistrate ruled that the evidence about the South Street shop was permissible, and witness said that the names "Godfrey," "Morel," and "Edwards" were over the shop, and that inside was another certificate of Mr. Edwards. At another of the defendant's shops, Hodsoll's Drug stores, Sturt Street, the certificate of a deceased member of the Society was exhibited. In cross-examination witness said he did not ask for opium. He did not know whether Mr. Walter Hills is a member of the Council of the Pharmaceutical Society. He (witness) was only occasionally employed by the Society.

The Magistrate: I suppose this is a poison?

Mr. Glyn-Jones: I am prepared to call evidence as to that.

Mr. Harry Moon, the next witness, deposed to receiving the bottle from Woldock and sending it to Mr. Tickle for analysis. Morphine, he added, is the active toxic ingredient of laudanum. In cross examination he said that Mr. Walter Hills is a member of the Council of the Pharmaceutical Society and Treasurer, also chairman of the Law Committee. He trades as John Bell & Croydon, Ltd., or, rather, witness believed Mr. Hills to be a shareholder.

Mr. Glyn-Jones: We don't suggest that defendant has done something that other people have not. I do not know what this has to do with the case.

The Magistrate: Oh, yes; he is showing that it is a common practice to trade under other names.

Continuing the cross-examination, Mr. Kirby asked witness whether Mr. R. A. Robinson, past President of the Pharmaceutical Society, does not trade as Malden & Co.,

Brompton Road, but witness said he had never been in Brompton Road. Mr. Kirby then produced a bottle of the same liniment labelled "John Bell & Croydon, Ltd." and a bottle of Easton's syrup tabloids labelled "Malden & Co." He also asked witness if he ever bought poisons from members of the Society.

The Magistrate: That is rather a Roman test, but, of course, it does not make the offence less to prove that others do it.

Mr. Kirby said he could produce many more instances of the same kind. The case, he continued, depends upon whether it is sufficient to put the trade-name on the label.

The Magistrate: Does the same thing apply in the case of a joint-stock company?

Mr. Kirby: Yes, the label bears the name of the company which has a registered person in the shop.

The Magistrate: That's very much the same here. I suppose the object of labelling is to ensure that there is a qualified person in the shop, so as not to get the wrong medicines mixed up. The label also enables the poison to be traced to the place of its sale. Is there any High Court case on the point?

Mr. Kirby: No; but rulings in the courts of first instance have been made both ways, I believe. Continuing, Mr. Kirby referred to the case of *Cameron v. Tyler*, in which Cameron, trading as the Co-operative Coal Co., was held to have properly labelled coal under the Sale of Coal Act when he used the name Cameron. In the Court of Appeal Mr. Justice Darling held that the firm-name complied with the Act, being that under which he carries on business. Mr. Justice Channell added that a man can take any name he pleases and trade under it in this country.

The Magistrate: Yes, it does seem so.

Mr. Kirby also quoted the case of *H. Graves & Co.* under the Copyright Act.

The Magistrate: One sees those cash chemist shops all over London; how do they label their poisons? I do not see why defendant should not put both names on.

Mr. Kirby: Defendant had bought the goodwill of the business, and it would be a loss to him to drop the name. He is a qualified chemist, and exhibited his certificate in the shop in compliance with the Act. Why should he be penalised because he used the name by which the business is known?

The Magistrate: If it was wanted to trace the shop where the poison was sold, one would say, "Where is Godfrey's shop?"

Mr. Kirby: If the Act had intended to prevent the use of a trade-name, nothing would have been easier than to mention that in the Act.

The Magistrate: I don't see any other object in the provision, except to trace the seller.

Mr. Glyn-Jones: If you read further down, you will see that the seller is the person on whose behalf the poison is sold.

The Magistrate: That makes the person responsible who carries on the business—takes the profit.

Mr. T. Edwards, the defendant, then went into the witness-box, and said he was a qualified chemist, registered at 36 Pitfield Street. He exhibited his certificate in accordance with the Poisons and Pharmacy Act, 1908. He traded under the name of Godfrey & Co., and had done so for sixteen years. He bought the business from W. M. Bell, who adopted the name in 1888, when he (Bell) acquired the business from a man named Horton. He (witness) bought the goodwill of the business, and regarded it as of value.

The Magistrate: To change the name might injure your business?

Witness: It would.

The Magistrate: That is your only object in using the name Godfrey & Co.?

Witness: Yes; I do the same as Mr. Walter Hills, for instance.

Cross-examined by Mr. Glyn-Jones, witness said he has three shops and trades as a chemist in two of these; the other one he carries on as Hodsoll's Drug stores. His manager might have used the name "Hodsoll, M.P.S." on a label, but that would be a mistake.

The Magistrate: Is this really necessary?

Mr. Glyn-Jones: I suggest that this name is used to avoid employing a qualified chemist. The case was being taken, continued Mr. Glyn-Jones, to test the question whether the person in charge, the qualified man, should not put his name on the label. Evasion of the Act is made easy by a man using three assumed names.

Continuing the cross-examination, witness said he had a certificate at 36 Pitfield Street, and his membership certificate at Sturt Street.

Mr. Kirby: I do not think counsel is entitled to ask a witness whether he is committing another offence under a different Act from the one under which he is summoned.

The Magistrate: Counsel is trying to show why he uses another name. It is a case of inference.

Mr. Kirby: In that case defendant ought to be warned.

Mr. Glyn-Jones, continuing his cross-examination, asked whether the membership certificate was not put there to deceive the Society, and witness said he was at the Sturt Street shop until recently. "Why should you not put your name in brackets after the trade-name?" asked Mr. Glyn-Jones.

Witness: I only do as others do.

The Magistrate: If he's right, there is no occasion to add another name.

Mr. Glyn-Jones then addressed the Magistrate, calling attention to the case of *Templeman v. Trafford*, in which it was held that the seller was the person on the spot who had control of the sale. At Mr. Kirby's request, Mr. Glyn-Jones read the note on this case from "The Pharmacy and Poisons Laws of the United Kingdom," and then referred to the case of *Reece*, who traded as *Squire & Co.* In the latter case Mr. Lane (the Magistrate) held that under Section 17 it was the real name of the person that is required—the Christian and surname of the seller (*C. & D.*, 1901, I., 277).

The Magistrate: You mean personal name; he might have been a Jew.

Mr. Glyn-Jones, continuing, pointed out the difficulty that would be experienced in tracing the seller if, for instance, after committing an offence, the seller sold his business to a man who continued to use the same name. It would be almost impossible to get at the person responsible or to trace the seller of the poison in case of mis-use.

The Magistrate: How is this done in the case of a company?

Mr. Glyn-Jones pointed out that the section states that it is the person on whose behalf the sale is made; in that case it would be the company. There must be a qualified man in charge of the shop, and he only was the person authorised to sell the article in question. That issue, however, does not arise in this case. The view he asked the Court to take was that in this case the defendant was not only the owner of the shop, but the person in charge of it, and was the person whose name ought to have appeared on the label. The section of the Act under which the summons was issued provided that the name of the qualified person should appear on the label. It said that the qualified person must put his name on the label. The name of the defendant was *Thomas Edwards*, but the name "*Godfrey & Co.*," which was used, was a name assumed for other purposes.

The Magistrate said he would like to look up the cases that had been mentioned, and he accordingly adjourned the summons for a week.

Mr. Glyn-Jones asked if his Worship would be prepared to hear the facts in the second case.

The Magistrate replied in the affirmative, when Mr. Kirby raised an objection to the service of the summons.

A police-constable deposed that he did not serve the summons on the defendant, but on a gentleman who was in charge of the shop at Sturt Street. Replying to Mr. Glyn-Jones, the constable stated that he did not know whether defendant lived at the premises where he served the summons, nor could he say that he was in charge of the shop.

Mr. Glyn-Jones: Was the name over the shop?

The Constable: I could not say.

The Magistrate said he had better adjourn the case for a week.

High Court Cases.

REGISTRATION OF OLD TRADE-MARKS.

In the Court of Appeal, consisting of the Master of the Rolls and Lords Justices Moulton and Farwell on Thursday, November 18, an omnibus judgment was delivered in the cases arising from (1) the application of *Joseph Crossfield & Sons, Ltd.*, for the registration of "Perfection" as a trade-mark for soap, (2) the application of the *California Fig Syrup Co.* to register "California Syrup of Figs" as a trade-mark, and (3) the question as to whether "Orlwoola" is good for registration as a trade-mark. The hearings were reported in the *C. & D.*, November 6, p. 703. The Master of the Rolls, in giving judgment, said:

The three appeals render it necessary to be considered for the first time in this court the meaning and effect of Section 9 of the Trade Marks Act, 1903, and the extent to which the earlier statutory enactments had been altered by that section. A trade-mark which is capable of registration under the Act of 1905 must contain or consist of at least one of five essential particulars mentioned in Section 9. Nothing turns upon Sections 1, 2, or 3, but Section 4 is important. That section differs from the older enactment in two respects: (a) By inserting "direct" before the word "reference," thus perhaps allowing some words which have only an indirect reference to character or quality to be registered; (b) by inserting before the words "a geographical" according to its ordinary signification. Wealthy traders are habitually eager to enclose part of the great common of the English language and to exclude the general public of the present day and of the future from access to the enclosure. Some protection against these attempts is furnished by Sub-section 5, which requires a preliminary order of the Board of Trade or the Court. The duty of the tribunal is not to declare that the mark ought to be registered, but only to give liberty to proceed with the application. Such liberty ought to be given when there is a sufficient *prima facie* case made out. And whenever there has been long-continued and extensive use as a trade-mark, that circumstance should in ordinary cases suffice to establish a right to proceed. But mere user is not necessarily decisive. The words in the proviso "may take into consideration" show that those words must not be treated as equivalent to a command to grant the application. A wide discretion is vested in the tribunal. Now it is apparent that no word can be registered under this sub-section unless it is distinctive—that is to say, is adapted to distinguish the goods of the proprietor from the goods of other persons. There are some words which are incapable of being so adapted, such as "good," "best," "superfine." They cannot have a secondary meaning as indicating only the goods of the applicant. There are other words which are capable of being so adapted, and as to such words the tribunal may be guided by evidence as to the extent to which user has rendered the word distinctive. It is easy to apply this sub-section to geographical words, and it is possible to suggest words having direct reference to character or quality which may be brought within it. But an ordinary laudatory epithet ought to be open to all the world, and is not, in my opinion, capable of being registered. It may be that within a particular area the applicant may succeed in a passing-off action against a trader who uses the epithet without sufficiently distinguishing his goods from the goods of the applicant. But that would not justify the Court in giving the applicant the monopoly throughout the United Kingdom in the use of a laudatory epithet. Whether in any particular case the word is or is not something more than a laudatory epithet is for the tribunal to decide. If it is open to doubt the tribunal may direct the application to proceed. If, however, the tribunal is satisfied that the word is purely laudatory, the application ought to be allowed to proceed, and if the application has been allowed to proceed it ought to be refused at the second stage. It is not unimportant to observe that a laudatory epithet, if allowed to be registered, cannot be removed after seven years. It may be applied to any goods of the proprietor, although the character of such goods may in course of time have changed for the worse. And the sanction of a Government Department ought not to be given to that which may thus be calculated to deceive. There is one important distinction between word-marks and other marks. The former appeal to the ear as well as, and indeed more than, to the eye. The latter appeal to the eye only. It seems to follow that a word not being an invented word ought not to be put on the register if the spelling is phonetic and resembles in sound a word which in its proper spelling cannot be put upon the register.

It remains to consider separately the three appeals before us. [His Lordship recited the facts in the "Perfection" soap case and proceeded.] It was admitted by consent that "Per-

fect" could not be registered, and that admission was fatal to the case of the appellants. "Perfection" is used adjectively, and is a mere laudatory epithet. It is thus used in the soap-trade and in many other trades, and it would be wrong to allow a monopoly to use such a word, which, moreover, might in course of time become false and misleading.

In the second case Mr. Justice Warrington declined to allow the applicants to proceed with an application to register "California Syrup of Figs" on the ground that it is a mere geographical name applied to a well-known article. Now that has been for many years a widely known proprietary medicine. The name has been recognised in litigation as a trade mark. In these circumstances it would be wrong to preclude the applicants from endeavouring to obtain registration. It was not for them (their Lordships) to say at that stage that the mark is distinctive and ought to be registered. That is a matter for the next stage, when opponents could be heard, and when every objection, including Section 11, might be raised. He thought the appeal must be allowed.

In the third case "Orlwoola" was registered under the old law as applied to woollen goods. An application was made to remove it from the register. It was not contended before them that it was not properly registered, but it was argued that the learned Judge had held that under Section 56 it could not be removed because it is a mark which under the Act of 1905 is registrable. He could not accede to that argument. It was plain that "all wool" could not be registered, and it was equally plain that "Orlwoola" could not be registered. The word is one which appeals to the ear far more than to the eye, and for that reason he thought that it is obviously not distinctive. He thought, therefore, that the appeal should be allowed.

Lord Justice Moulton delivered judgment to the same effect. With regard to "Perfection," he was of opinion that the name selected by the applicants is an ordinary laudatory term, and they ought not to be allowed to register it. He was of opinion that the words "California Syrup of Figs" are a well-known collective name of a well-known medicine of the applicants, and they had been well known as applied to the medicinal preparations of the applicants. He did not think there was any difficulty in other traders avoiding that name.

Lord Justice Farwell concurred, and the appeal in the "Perfection" case was dismissed with costs.

In the "California Syrup of Figs" case the appeal was allowed, and the Registrar of Trade-marks was allowed his costs in the Court below, as he had performed a public duty in appearing, but no costs of appeal.

ADVERTISING UNTIL COUNTERMANDED.

ON Saturday, November 13, Mr. Justice Bucknill, sitting in the King's Bench Division, heard an action in which Mr. A. J. Hamilton Johnston, Basil Street, Knightsbridge, a director of the Turvey Treatment Co., was sued for the sum of 267*l.* 17*s.* 9*d.* upon two guarantees which were given to the plaintiffs, Smith's Advertising Agency, of Fleet Street, E.C. Mr. Eldon Banks, K.C., for plaintiffs, said his clients advertised the Turvey Treatment, for drinking and drug habits, in various newspapers and magazines, Mr. Johnston guaranteeing the payment of the account. The claim was for balance of an account, Mr. Johnston not having fulfilled his obligations. He had paid 50*l.* into court to cover all that was, he contended, his liabilities. The Company was now in liquidation. The plaintiffs alleged that the orders for the insertion of the advertisements were until countermanded, but the defendants contended that that condition only applied to one magazine out of eight, the others being for two months only. Evidence was given by witnesses (including the defendant), and after hearing it his Lordship said that the defendant had a greater pecuniary interest in the Company than anybody else, and he thought he must have known the guarantee which he was giving. He found against him on all the issues. Judgment was given for the plaintiffs for such amounts as might be agreed upon between the parties, with costs.

THERMOS *v.* ISOLA.

THE pending action of Thermos, Ltd., *v.* Isola was mentioned to Mr. Justice Neville on November 12 in the Chancery Division on a motion for an interim injunction. Mr. Moulton said this was a patent action to which defendants had set up a defence of prior user. The parties had agreed with regard to this motion that it should

stand over until the trial, the costs of the motion to be costs in the cause. His Lordship agreed to the adoption of this course.

NUGGET POLISH PRICES.

THE motion in the case of the Nugget Polish Co., Ltd., *v.* R. H. Ashman & Co., of Old Kent Road, Bermondsey, again came before Mr. Justice Parker in the Chancery Division on November 12. The plaintiffs sought to prevent defendants from selling Nugget goods at prices less than those fixed by agreement between the parties. Mr. Romer, K.C., announced that the parties had now come to terms, and the defendants would consent to judgment. He asked defendants to submit to a perpetual injunction, with the payment of the sum of 2*l.* in lieu of damages, the cost of the action to be taxed. Mr. Macnaghten (for the defendants) consented, and his Lordship thereupon granted the injunction.

BEECHAM'S PILLS.

IN the Chancery Division, Dublin, last week, before the Master of the Rolls, in the case of Joseph Beecham, trading as Thos. Beecham, St. Helens, *v.* Hugh Marshall & Co., Mr. T. C. Tobias (instructed by Messrs. Wheeler & McCutcheon) applied to have a consent made a rule of Court. The action was brought against the defendants, who are druggists carrying on business at 2 York Road, Belfast, claiming an injunction restraining the defendants, their servants, or agents, from passing off pills other than those manufactured by the plaintiff as and for pills of the plaintiff's manufacture. Counsel read the consent, which provided that a perpetual injunction as claimed should issue against the defendants, and that all further proceedings in the action in respect of plaintiff's claim for damages or an account should be stayed.

His Lordship: I note that the plaintiff is described as Joseph Beecham, trading as Thomas Beecham. Is he the famous Mr. Beecham?

Counsel: Yes, my lord, the famous pill gentleman. (Laughter.)

His Lordship received the consent and made it a rule of Court.

County Court Cases.

THE SOLICITOR'S FEE.

IN the City of London Court on November 12, before Judge Rentoul, K.C., Messrs. May, Roberts & Co., druggists' sundriesmen, 7 Clerkenwell Road, sued Mr. Arthur Harding, described as a druggist, of 43 Ashby Road, Loughborough, Leicester, to recover 1*l.* 12*s.* for goods supplied. Mr. Stephen Jones, plaintiffs' solicitor, said that the defendant had written to the Court with a grievance. When he got behind with his payments he (Mr. Jones) wrote to the defendant, who sent an instalment and asked for further time. Then he wrote to the defendant and said if he would send 1*l.* and 3*s.* 6*d.*, his (the solicitor's) costs, they would accept it. The defendant sent the 1*l.* and the 3*s.* 6*d.*, and now wanted to have the 3*s.* 6*d.* taken off the debt. He could not do that. The Registrar of the Court had declined to accede to the plaintiffs' suggestion that the money was due to the solicitor, and had referred the matter to the Judge. Judge Rentoul said he did not think the defendant ought to have credit for the 3*s.* 6*d.* Judgment for the plaintiffs for the full amount, with costs.

QUESTION OF SALE OR RETURN.

AT Newcastle-on-Tyne County Court on November 16, an action was brought by the Iglodine Co., of that place, against Mr. J. E. Allenby, Helmsley, for price of goods supplied in April last. Mr. Charles E. Layne, solicitor, appeared for the defence, which was that an arrangement was made with the traveller that amounted to conditions of "sale or return," and that the liberal advertisements guaranteed had not been supplied. Plaintiffs denied any such arrangement, and the case was adjourned for a month in order that the traveller might attend, the day's costs being awarded to defendant.

The Iglodine Co. brought a similar action at the same court against Mr. Coultman, Kirbymoorside. Mr. Layne, for the defence, put in a signed contract note, on which

it was stipulated that the goods might be returned if not satisfactory.

Plaintiffs contended that this referred to the quality of the goods, not to their being saleable. The case was adjourned for Mr. Coulman's attendance.

Bankruptcy Report.

Re ALFRED MUSGRAVE USHER, 26 Otley Road, Guiseley, York, Pharmacist.—The liabilities in this case are put at 523*l.* 8*s.* 8*d.*, and assets 75*l.* 4*s.* 2*d.*. The following are the trade creditors: Bleasdale, Ltd., York (54*l.*); Brook, Parker & Co., Ltd., Bradford (15*l.*); Hirst, Brooke & Hirst, Ltd., Leeds (47*l.*).

Deed of Arrangement.

HIRST, BENJAMIN, Outlane, Huddersfield, and Lyndhurst, New Hey Road, Huddersfield, Chemical-manufacturer.—Trustee, T. Ward, 27 West Hill, Huddersfield. Dated November 2; filed November 9. Secured creditors, 1,460*l.*; liabilities unsecured, 208*l.*; estimated net assets, 390*l.*

Gazette.

Partnership Dissolved.

COPESTAKE, W. D., and HUNT, A. D., physicians, etc., Derby, under the style of Copestake & Hunt.

The Bankruptcy Acts, 1883 and 1890.

RECEIVING ORDER.

BURCH, THOMAS WILLIAM, Prestwich, Lancs, chemist.

ADJUDICATIONS.

BELL, JOHN TEMPERLEY, Newburn, Northumberland, drug-stores proprietor.

BURCH, THOMAS WILLIAM, Prestwich, Lancs, chemist.

ILEY, JOHN THOMAS (late trading as W. H. Iley & Co.), Ryhope Colliery, Durham, drug-store keeper and confectioner.

Company Notices.

JAMES BOULTON & Co., LTD.—Final general meeting at 26 Great St. Helens, London, E.C., on December 17, at 12 noon. Report by Liquidator.

SPRINGFIELD CHEMICAL Co., LTD.—Meeting at 60 Springfield Gardens, Manchester, on November 19, at 4 p.m.

New Companies and Company News.

The letters P.C. mean Private Company within the meaning of the Companies Act, 1907, and R.O., Registered Office.

NORTH BRITISH CRUCIBLE Co., LTD. (P.C.).—Registered in Edinburgh. Capital 5,000*l.*, in 1*l.* shares. The first directors are A. A. Smith, W. Geckie, and J. T. Macfarlane. R.O., 24 Blythwood Square, Glasgow.

NATURAL HAIR-OIL Co., LTD. (P.C.).—Capital 100*l.* Objects: To carry on the business of toilet-preparation manufacturers, etc., especially with regard to the "Vivus" preparations. R. L. Hall is managing director. R.O., 4 Lloyd's Avenue, E.C.

HYGIENIC ORGANISATION, LTD. (P.C.).—Registered in Edinburgh. Capital 100*l.*, in 1*l.* shares. Objects: To carry on the business of manufacturers of and dealers in artificial teeth, etc. The first directors are F. Oscar and L. Michael. R.O., 31 Elmbank Crescent, Glasgow.

JOHN KILNER & SONS, LTD. (P.C.).—Capital 30,000*l.* Objects: To take over the business of John Kilner & Son, Calder Vale Glass Works, Wakefield, and Farringdon Road, London. B. Kilner, J.P., is permanent managing director, subject to holding 5,000 ordinary shares.

CHARLES H. PARKER, LTD. (P.C.).—Capital 2,500*l.* Objects: To take over the business of C. H. Parker, wholesale and manufacturing drysalter, drug and dry goods merchant, Altrincham, Cheshire. The first director is C. H. Parker (managing director and secretary). R.O., Rekrap Works, George Street, Altrincham.

RANDELLS (MALTSERS), LTD. (P.C.).—Capital 50,000*l.*, 10,000 preference. Objects: To take over the business of Randells & Co., 25 Mark Lane, E.C., and Barking and Grays, Essex, wholesale and retail maltsters, manufacturers of malt extract, etc. The first directors are J. Randell, J. D. Jehu, and P. O. Barker. R.O., 25 Mark Lane, E.C.

STEDMAN & Co., LTD. (P.C.).—Capital 3,000*l.*, in 1*l.* shares. Objects: To take over the business of W. Stedman, chemist and druggist, and the business of W. Stedman and A. Hambrook, stationers, etc., both of High Street, West Malling. The first directors are W. Stedman, M.P.S., and A. N. Hambrook. R.O., High Street, West Malling, Kent.

EDWARD J. WOODS, LTD. (P.C.).—Capital 180*l.*, in 10*l.* shares. Objects: To take over the right to sell the remedies prepared by E. J. Woods for curing alcoholism, tobacco habit, and for treatment for the habit of taking morphia, cocaine, opium, laudanum, chloral, or other drugs, and for nervousness, nervous exhaustion, and nervous debility. The first directors are C. H. Phillips and R. Wedmore, 54 Park Road, West Dulwich, S.E.

BAILEY MANUFACTURING Co., LTD. (P.C.).—Capital 1,000*l.*, in 1*l.* shares. Objects: To acquire the right to manufacture and sell any preparation or invention relating to hygiene or health, and to carry on the business of wholesale, retail, and manufacturing chemists and druggists, drysalers, manufacturers of and dealers in pharmaceutical and medicinal preparations, etc. The first subscribers are: J. E. Shearman, 69 Amesbury Avenue, Streatham Hill, S.W., solicitor; and A. J. Johnson, clerk.

CASSEL CYANIDE Co., LTD.—The directors recommend a final dividend of 1*s.* per share, making, with the interim dividend, 1*s.* 6*d.* for the year, also a bonus of 1*s.* per share, both free of income-tax.

UNITED CHEMISTS' ASSOCIATION, LTD.—Of the nominal capital (15,000*l.*, in 5*l.* shares) the returns filed in Somerset House and examined on November 17 state that 402 shares have been issued subject to payment in cash. There may be more.

CASNER-KELLNER ALKALI Co., LTD.—The report states that the net profit is 134,155*l.*, to which has to be added 15,360*l.* brought forward. After deducting debenture interest (9,313*l.*), interim dividend at the rate of 10 per cent. per annum for the six months ending March 1909 (22,500*l.*), there remains a balance of 117,711*l.*, out of which the directors recommend a final dividend of 9 per cent., making 14 per cent. for the year.

W. CAUDERY & Co., 1 Fenchurch Avenue, London, E.C., Merchants.—A circular has been issued by Messrs. Stoneham & Sons, 150 and 151 Fenchurch Street, E.C., in which they state that their clients, not being able to meet their engagements, have placed the books of account in the hands of Messrs. Turquand, Youngs & Co., Coleman Street, E.C., who are preparing a statement of affairs to be submitted at a meeting of the creditors. The firm of Messrs. W. Caudery & Co., who carry on an extensive business in chemicals, etc., was established about 1847 by the late Mr. William Caudery, whose death at the age of ninety we reported in THE CHEMIST AND DRUGGIST of December 3, 1904. He left an estate valued at 103,000*l.* gross and net, the bulk of his fortune going to his two daughters. The estate is now the subject of litigation, and a motion in the matter came before Mr. Justice Neville *in camera* on Monday, the summons appearing as *Re* Caudery's Estate (London Joint-stock Bank, Ltd. v. Wightman). After the death of Mr. Caudery the business was carried on by his partner, Mr. Charles Collins Clark Wightman, who had been admitted in 1874, and who subsequently admitted Mr. Richard B. Jane in January 1887. The partnership was dissolved, as announced in our issue of October 16 this year, Mr. Wightman being compelled to retire owing to ill-health. Mr. R. B. Jane continuing to carry on the business as hitherto. The firm for many years have held several important agencies for chemical-manufacturers both at home and abroad, and also carried on an extensive business in general merchandise, including timber. The total liabilities are said to be large, over 200,000*l.* being named, but until a statement of the liabilities and assets has been prepared by the accountants the amount cannot be definitely stated.

MORTGAGES AND CHARGES. Particulars of the following have been issued: *John Bell, Hills & Lucas, Ltd.*, 1,000*l.*, being part of 3,000*l.*, of which 2,000*l.* was previously issued.—*Liverpool Borac Co., Ltd.* Memorandum of satisfaction in full of second debenture, dated December 14, 1908, securing 2,000*l.*—*Barrett & Elers, Ltd.* Memorandum of satisfaction to the extent of 1,000*l.* of a mortgage dated November 17, 1902, securing 12,000*l.*—*Consul Automatic Acrotors, Ltd.* Issue of 10,000*l.*, part of 15,000*l.* debentures.

Births.

EVANS.—At 239 Hammersmith Road, London, W., on November 5, the wife of G. W. Evans, chemist and druggist, of a daughter.

KISSANE.—At 22 Main Street, Tipperary, on November 12, the wife of John Kissane, pharmaceutical chemist, of a son.

LINSTEAD.—At 15 Station Road, Windmore Hill, N., on November 12, the wife of Edward Flatman Linstead, Ph.C., F.C.S., of a son.

LLEWELLYN.—At the Myrtle Pharmacy, Goodwick, on November 10, the wife of D. L. Llewellyn, chemist and druggist, of a son.

Marriages.

BAGSHAW—TOPPIN.—At Crosthwaite Church, Keswick, on November 11, by the Rev. Canon Sutton, Harold Bagshaw, chemist and druggist, son of the late Mr. H. B. Bagshaw, Oldham, to Annie, daughter of Mr. William Toppin, Werneth.

CHRISTIE—YOUNG.—At St. George's Presbyterian Church, Johannesburg, on October 20, John Christie, chemist, Fordsburg, to Agnes, daughter of Mr. W. Young, formerly of Gourrock, Scotland.

Deaths.

BISHOP.—At 20 Kensington Crescent, London, S.W., on November 12, Mr. Frank Bishop, formerly managing director of Marion & Co., Ltd., Soho Square, London, W., aged seventy-one.

COOPER.—In London, on November 5, Mr. Robert Cooper, chemist and druggist, aged ninety. Mr. Cooper, who was a native of Rotherhithe, served his apprenticeship with Messrs. John Bell & Co., at Oxford Street, London, W. He subsequently went into business in South Street, Eastbourne.

CURTIS.—Mr. Thomas West Curtis, of Holbeach, whose death we notified last week, served his apprenticeship with his father, Mr. Thos. West Curtis, sen., and became a partner upon the expiry of the term of apprenticeship, the business being carried on under the style of Messrs. T. W. Curtis & Son since 1865. The firm in the old days grew large quantities of poppies for the trade, and was one of the earliest makers of sheep ointment, killing the mercury by hand-labour. The late Mr. T. W. Curtis was for many years Parish Warden, as was his father before him, and occupied for many years the offices of Governor of the Grammar Schools, member of the Board of Guardians, Chairman (for nearly twenty years) of the School Board, and a Provincial Grand Lodge Officer of Freemasons of Lincolnshire. He was author of a standard work on banking rates, of which Mr. W. Ewart Gladstone wrote a letter of congratulation. The late Mr. Curtis was a particularly well-informed gentleman, and the poor of the district looked upon him as a paterfamilias. His eldest son was for some time with him in the business, but abandoned pharmacy for accountancy. He is now Chairman of the Finance Committee of the St. Pancras Board of Guardians. Thus, says our correspondent, ends one of the oldest chemist's businesses in the kingdom.

EDMOND.—At 25 Highfield, Scarborough, on November 12, Mr. Francis Edward Edmond, aged forty-nine. Mr. Edmond left Leeds for Scarborough as a boy to be apprenticed to Mr. Bland, chemist. For the last thirty years he had been at the Newborough shop of Messrs. H. Chapman & Sons, chemists, Scarborough. The deceased gentleman had been ailing for some time past, being confined to his bed for the last seven or eight weeks. He made a hobby of music, and for fifteen years was organist of the South Cliff Congregational Church.

HILL.—On November 8, suddenly, Mr. Edward Hill, chemist and druggist, of the firm of Messrs. Fielder & Co., chemists, 2-3 Northbrook Street, Newbury, Berks, aged

sixty-three. The deceased gentleman, who joined the firm twenty-seven years ago, was a Past Master of the Porchester Lodge of Mark Masons and a P.Z. of the Hope Chapter of Royal Arch Masons.

JENKINSON.—On November 10, Mr. Joseph Jenkinson, for twenty-five years manager for the Timothy White Co., Ltd., at Southsea.

LEWIS.—At 1 Holmwood Mansions, West Acton, London, W., on November 10, Mr. David Jonathan Lewis, chemist and druggist, aged seventy-three years. Mr. Lewis, who died after a brief illness, was in business for thirty years at Acton, where he also acted as postmaster for twenty years. He was previously in business at Tewkesbury and Pimlico. At Acton he filled the office of Overseer of the Poor for some years, and was Treasurer of the Literary Institute.

RUSSELL.—At St. Ives House, Ringwood, on November 12, Mr. William James Russell, Ph.D., F.R.S., formerly lecturer in chemistry at St. Bartholomew's Hospital Medical School, aged seventy-nine. Dr. Russell received his scientific education at Heidelberg University, where he graduated as a Doctor of Philosophy nearly sixty years ago. He became a Fellow of the Chemical Society in 1851, a councillor in 1863 and again in 1870, from which year until 1891 he was closely associated with the administration of the Society as Secretary from 1873 to 1875, Treasurer from 1875 to 1889, and President in 1889-91. It was during his presidential term that the Jubilee of the foundation of the Society was celebrated in February 1891, and on that occasion Dr. Russell acquitted himself in a manner which received the approbation of his colleagues and all who participated in the various functions of the celebration, which included a dinner at which the late Marquis of Salisbury made a memorable speech. Dr. Russell was a founder of the Institute of Chemistry and one of its first Examiners. He was President of that body in 1894-97. He was one of the most modest of men, and although an expert in photography rarely sat in front of the camera himself. When a collection of the portraits of Presidents of the Society was made in the Jubilee year, Professor J. M. Thomson took an excellent likeness of him. Since he retired from the lectureship at St. Bartholomew's Hospital, Dr. Russell published in "Nature" and elsewhere a series of articles upon the remarkable effect of contact of various articles with photographic plates in absolute darkness. He found, for example, that the grain of wood, marks on coins, and so on were faithfully reproduced on photographic plates, and he traced this result ultimately to the action of hydrogen peroxide. For many years he was an examiner in chemistry for the Government Science and Art Department, and held other positions in which sound judgment was an essential. Dr. Alexander Scott, F.R.S., Superintendent of the Davy-Faraday Research Laboratory, is his son-in-law.

SHARP.—At 24 The Esplanade, Whitley Bay, on November 5, Mr. William Sharp, of Bleasdale, Ltd., York, aged fifty. Mr. Sharp was a native of Musselburgh, and was apprenticed to the retail drug-trade there with his brother, Mr. J. C. Sharp, after which he was for some time with Messrs. Clark & Pinkerton, wholesale druggists, Edinburgh, before he obtained, nearly twenty years ago, an appointment with Messrs. Bleasdale, Ltd., with whom he remained as a representative until heart-trouble compelled his resignation some months ago. Mr. Sharp was well liked by all who knew him in the North of England, and his comparatively early death is deplored.

Recent Wills.

The dates in parentheses refer to the issues of "The Chemist and Druggist" in which the deaths of the testators were reported.

MR. LEOPOLD GEORGE MEE, Myddelton Road, Bowes Park, London, N., left estate of the gross value of 533*l.* 5*s.* (C. & D., October 23, p. 636).

MR. JOHN WILLIAM BARRETT, Daventry, chemist and druggist, left estate valued at 1,573*l.* 14*s.* 1*d.* gross (C. & D., September 18, p. 466).

MR. ROBERT WILLIAM BURRUS, Crowland, chemist and druggist, who died on September 5, left estate valued at 4,179*l.* 1*s.* 2*d.* gross, with net personality 1,679*l.* 19*s.* 2*d.*

Personalities.

ALDERMAN J. V. MAINPRIZE, chemist and druggist, has been appointed Deputy Mayor of Bridlington.

COUNCILLOR C. J. STEVENS, J.P., managing director of the Sheppey Chemical-works, has been re-elected Mayor of Queenborough.

ALDERMAN F. BIRD, chemist and druggist, Spon Street, Coventry, has been appointed a member of the City Education Committee.

ALDERMAN J. A. STEWARD, chemist and druggist, has been appointed by the Worcester City Council as a municipal charity trustee.

ALDERMAN W. GREGORY, chemist and druggist, Mayor of Weymouth, has been appointed a member of the Borough Education Committee.

MR. ROBERT SWEETMAN, chemist and druggist, The Cross, Ludlow, has been elected unopposed to fill a casual vacancy on the local Town Council.

MR. S. P. WOOLLATT, chemist and druggist, has been appointed by the Ware Urban Council as a representative governor of Hertford Grammar School.

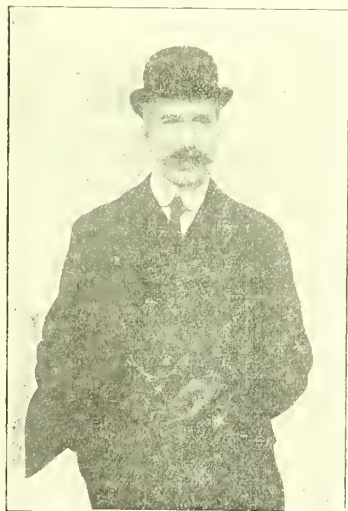
COUNCILLOR J. T. SMITH, of Messrs. Lander & Smith, chemists, 17 High Street, Canterbury, has been elected Sheriff of the city for the ensuing year.

MR. R. FEAVER CLARKE, Ph.C., Gravesend, has been appointed a Visiting Justice under the Lunacy Act, 1890, and also a Justice to exercise the powers conferred by the Act.

ALDERMAN J. R. BROUGH, C.C., the new Mayor of Stoke Newington, is the chairman of Lewis & Burrows, Ltd. He is a prominent member of the City Corporation, and this year occupies the chair of the Libraries Committee.

COUNCILLOR LAWRENCE PRIESTLEY, J.P., Ph.C., Newark, has been elected for the fifth time chairman of the Newark Education Committee. Mr. Priestley is the son of the late Councillor J. Priestley, of Nottingham, and since he went to Newark no townsman has thrown himself more into public affairs, and he has been particularly attentive to the business of the Education Committee.

MR. JAMES HEILBRONN, whose portrait by Vandyk we here reproduce, is the managing director of Messrs. H. Bronnley & Co., Ltd., of Acton, London, W., whose business he established some twenty years ago.



MR. HEILBRONN.

His co-director is Mr. Alfred Steinheim, and together they have built up a business as soap-makers and perfumery manufacturers, whose products are well-known to chemists and perfumers throughout the Empire. The name "H. Bronnley" was composed from the letters in "Heilbronn." We believe it is to Mr. Heilbronn's perspicacity that the trade owes the clear decision by the Court of Appeal as to freedom of using a shaving-stick box of a chocolate colour. When the actions involving that point were started, Messrs. H. Bronnley & Co. were made the principal defendants, and although the chocolate-coloured box was to them only one of a series of individual boxes used for private brands made by them, they believed that the principle involved was one worth fighting for, and so took

the responsibility of the whole defence. In a conversation with Mr. Heilbronn a few days after the Court of Appeal's decision in Messrs. Bronnley's favour, he informed us that the trade represented in the chocolate-coloured box was to his firm equal to a small sum compared with the costs of the case, but at the outset he and his co-director believed that the evidence which they would be able to produce as to priority of user justified them in undertaking the defence. And so the decision by Mr. Justice Neville, sustained by the Master of the Rolls and Lords Justices Fletcher Moulton and Kennedy, has proved. The result has given general satisfaction in the trade, and Mr. Heilbronn's firm have received many telegrams and letters acknowledging indebtedness to them for a fight on principle well fought.

MR. C. G. PREECE, of Messrs. Hodgkinson, Prestons & King, who recently had an accident which resulted in a fractured rib, is making a good recovery, and hopes to be back at business shortly.

ALDERMAN W. EDMONDSON, chemist and druggist, Kendal, has been appointed a member of the Borough Education Committee and a representative on the Small-pox Joint Hospital Committee.

ALDERMAN D. T. EVANS, J.P., chemist and druggist, 1 High Street, Margate, has been re-appointed Deputy Mayor of the borough, and also as a member of the Isle of Thanet Joint Hospital Board.

ALDERMAN A. SIDNEY CAMPKIN, chemist and druggist, has been re-elected Chairman of the Sewage Disposal Committee for the Borough of Cambridge. Mr. Campkin has occupied the position for many years.

MR. HARRY W. COX, the manufacturer of x-ray apparatus, who has suffered so badly from x-ray dermatitis, had his right arm amputated a little above the elbow last Saturday. It will be remembered that Mr. Cox obtained a grant of 200*l.* from the Civil List.

MR. J. S. SOUTTER, chemist and druggist, Hedon, Yorks, is treasurer of that borough, and, with the Mayor and Corporation, attended the Parish Church last Sunday, and at the Town Hall afterwards proposed the toast of the "Mayor and Mayoress." Mr. Soutter has attended these functions in his official capacity annually since 1861.

Business Changes.

Properly authenticated business notices (not being advertisements) are inserted in this section free of charge if promptly communicated to the Editor.

MR. J. O. STRINGER, chemist and druggist, Kingston-on-Thames, has now opened a branch pharmacy at 8 High Street, Hampton Wick.

THE PARIS BRANCH of the Odol Chemical-works, which was established about two years ago, has been removed to larger and more central offices at 52 rue des Petites-Ecuries. The works also have a large warehouse in the St.-Denis district.

THE EXECUTORS of the late Mr. Edwin Wheeler, in view of the expiration of the tenancy of the homœopathic chemist's business carried on for over thirty years in Wine Street, Bristol, give notice that it has been transferred to 71 Queen's Road, The Triangle, Clifton.

DUTY ON JAPANESE SULPHUR.—A case involving revenue of \$1,000,000 to the Government was heard at San Francisco by the General Customs Appraiser, who reserved decision. The action is a protest against the payment of \$8 a ton Customs duties on a 100-ton shipment of Japanese sulphur, known as bungo and satsuma sulphur. Under the present tariff schedules crude sulphur is given free entry, while refined shipments pay a duty of \$8 a ton. The importers claim that, as the bungo and satsuma sulphur never has passed through a refinery, it should be admitted as crude material. The Government experts stated to the Appraiser that that sulphur comes from geysers, not from the springs, and that when the geysers are quiescent the Japanese lay pipes to the volcano crater and pipe the gases to tanks, where the sulphur is precipitated, thus forming a natural refinery.

Port of London Dues.

THE Port of London Authority, on Tuesday, November 16, received a deputation from the London Chamber of Commerce, consisting of Mr. Stanley Machin, President of the Chamber, and representatives of the chemical, coal, fur and skin, oil, provision, and other important sections, who were accompanied by Mr. Musgrave (Secretary). Sir Hudson Kearley, M.P., Mr. Philipson, and other members of the Authority received the deputation, which was introduced by Mr. Machin, who spoke broadly on the proposed port dues being excessive. He was followed by Mr. Churton for the cement and brick trades; then Sir Hudson Kearley stated, first of all, that the proposed schedule was, of course, a maximum one, and that it might be taken that the rate set out would be reduced by the equivalent of an all-round average reduction of 50 per cent. Mr. John C. Umney next spoke for the drug and chemical trades, and emphasised the desirability of complete exemption as regards coastwise goods, and a distinction between import and export rates. He stated that as a result of several conferences on this subject between the various branches of commerce and industry represented in the Chemical Section, he rather leaned to the view that an *ad valorem* port rate would be considered the most equitable and probably the most easy of collection, but as that might not be acceptable, he asked consideration of the following:

1. Articles where the proposed rates are out of proportion to value.
2. Articles where the proposed rates are disproportionate among themselves.
3. Manufactured substances where the proposed rate is entirely disproportionate to that scheduled for the crude material.

As to No. 1, drugs and chemicals, he pointed out how great the hardship would be if an all round rate of duty of 5s. per ton were levied on drugs, which amount might work out to as much as 1½ per cent. on the value of many of the drugs imported. He also emphasised the hardship that would be inflicted on the drug trade if a duty of 5s. per ton were levied on drugs for medicinal purposes, while the same drugs used as dye wood were admitted at 1s. per ton. In the case of chemicals from 2s. to 3s. per ton is to be imposed, and this is a higher ratio than in the case of drugs—e.g., chloride of calcium, value 42s. 6d. per ton, will pay duty of 3s. per ton; while chloride of magnesia, value 67s. 6d. per ton, pays the same. Other instances were given, after which Mr. Umney spoke on the third section of objections—viz., taking the tartaric acid and crude argol rates (2s. and 1s.), showing that the latter might work out at practically 5s. per ton for tartaric acid, thus leaving the producer in this country to bear that rate of duty, as against the imported rate on foreign-made tartaric acid of 2s. per ton. Reference was also made to the great difficulty of arranging schedules for essential and fixed oils, as well as the comparatively high rates for spices. Sir Hudson Kearley asked Mr. Umney a series of questions on the whole matter, and eventually stated that it is such a complicated subject that he would ask his assistance in the framing of such a schedule as would be fair, and taking into consideration the value of the articles and basing such charge upon that consideration. Mr. Umney asked whether it might not still be possible to have an *ad valorem* duty, but the Chairman insisted that it would be better to arrange the schedule as he had suggested; and Mr. Umney undertook to bring the matter before the Chemical Section of the Chamber. Other matters were also arranged between Sir Hudson Kearley and Mr. Umney, after which Mr. Chater, of Grosvenor, Chater & Co., Ltd., spoke for paper manufacturers. Other speakers also addressed the authorities. The deputation after thanking the authorities, came away with the impression that there exists a desire to consult in every way possible those who are experts in their own business.

[Since the meeting the Chairman of the Chemical-trade Section has, after consultation with leading members, arranged to call a committee-meeting on Wednesday next, at which the revision of the schedules will be finally done in a way to meet the Port Authority's acceptance.]

INFORMATION DEPARTMENT



The object of this department is to supply our subscribers with the names and addresses of manufacturers and agents, or other business information which they may be in need of. Inquiries should be sent by post, addressed to the "Information Department of 'The Chemist and Druggist,' 42 Cannon Street, London, E.C."

Inquiries in regard to dispensing, legal, practical, technical, or other pharmaceutical subjects should be addressed to The Editor, who will reply to them in the Correspondence Columns.

Information Wanted.

We would be obliged if readers would reply, by postcard or otherwise, to any of the subjoined inquiries. Replies should be addressed to the "Information Department of 'The Chemist and Druggist,' 42 Cannon Street, London, E.C."

- 239/38. "Desvoges Corn Cure," source of supply.
 239/38. "Nasheins Fullers' Earth," makers or agents.
 239/38. Cabinet tooth-powder in sprinkler bottles: who makes?
 243/21. Clockwork models for window-displays: where obtainable?
 16/36. Where can meta-cresylic acid be obtained in commercial quantities?
 240/52. "Burt's Royal Embrocation": who makes and where obtainable?
 241/73. Present address of the manufacturers of "Kreazole" preparations.
 241/56. "Vera Stella" face-powder: where is it obtainable in this country, or who makes?
 240/25. "Apparatus Sanitor e. liquid": who are the manufacturers, or where obtainable?
 240/69. Makers of a remedy for chronic constipation, in which vaseline is the principal ingredient.
 243/49. Address of A. Kingsley & Co., makers of "Exol," formerly of Great Winchester Street, E.C.

Information Supplied.

In reply to inquiries, information has been sent during the past week to subscribers and others by our Information Department in regard to the following subjects. The information will be repeated to any others requiring it who send a stamped and addressed envelope for the purpose to the Information Department as above.

- Barratt's disinfectants, address (245/1).
 Bonson's digestive tea, makers (4/14).
 Buttrolin, makers (239/46).
 Cachets, actual makers (231/57).
 Carnauba wax, local supply (237/75).
 "Chiclets," makers and agents (237/15).
 "Elephant and Tortoise" brand combs, makers (4/74).
 Gladstone & Barry, address (242/43).
 Glass urinals, English makers (239/49).
 Gold paints (proprietary), suppliers (239/36).
 "Heronides" dressing combs, makers (242/76).
 James's Herbal Ointment, actual maker (236/74).
 Kellogg's safe fat reducer, makers (174/53).
 Le Grand's Orza Oil, makers and agents (238/58).
 Melrose tablets, makers (236/33).
 "Mamma" feeders, makers (240/43).
 Matthews & Wilson, address (242/43).
 Metal powder-containers (sprinkler tops) supply. (239/21).
 Metal screw bottles, special make (238/68).
 "Mona" preparations, actual makers (240/53).
 Nickel toilet mirrors, shaving mirrors, etc. (238/43).
 Nigrosin (oil-soluble), makers (237/73).
 Pel's corn solvent, makers (238/22).
 Planten's capsules, London agents (237/35).
 Precipitated silica, makers (240/63).
 Silox, source of supply (242/69).
 Terebene, manufacturers (241/9).
 "Vasolum," makers (210/64).
 "Vim" vibrator, agents (241/43).

OPIMUM IN INDO-CHINA.—The total import of opium into Indo-China during 1908 amounted to 6,120 cwt., valued at 276,267l. Of this, however, 2,238 cwt. (of Yunnan opium) was imported into bond, and the amount imported and actually put into consumption during the year was only 3,882 cwt., valued at 185,324l. Of this 2,525 cwt. was Chinese and 1,357 cwt. Indian. The purchase and sale of opium in Indo-China is a Government monopoly.

Observations and Reflections.

By "Xrayser."

The Abandonment of the "Pharmacy" Action

is an event of serious import, and pharmacists, who have become sensitive and critical on the subject of titles, will expect to have this decision clearly explained by someone in authority. Pending the issue of some such Apologia, it is difficult to avoid one of two inferences—either that the Pharmaceutical Council challenged the contest with a wanton disregard of its risks, or that their valour, like that of Bob Acres, had the quality of oozing out of their palms as soon as the time arrived for exercising it. That the latter is the correct conclusion is supported by the fact that the Council had not even enough courage left after their defeat to announce their surrender, leaving this humiliation to leak out in the pages of an unofficial journal. Only one member of the Council, so far as I have noticed, has made any public allusion to the disaster. Mr. F. J. Gibson is reported to have said at Leeds that the result "was lamentable, and at the moment he could not see a remedy for it." If by waiting a few more moments he was likely to discover one it would have been worth while to have deferred the speech, especially as the rest of it seems to have been inappropriately devoted to the laudation of the Council's watchfulness and discretion.

The Remedy

might not have been found in the Court of Appeal or in the House of Lords. It is probable that learned legal authorities told the Council that the chances were heavily against their contention. But there was no other possible place where the mischief achieved could be repaired, and, having embarked on this enterprise, it was the Council's obvious duty to "try the last." They could not be worse off, and they might have found judicial sympathy in one of the higher courts.

Three Knighthoods

in one list conferred on gentlemen who have found themselves conscientiously compelled to take up an antagonistic attitude against chemists during the past troublesome decade may be merely a coincidence, but it shows at least that sympathy with us is not painfully sensitive in high quarters just now. Mr. Harrison, of the Privy Council, was the official who engineered the Departmental Committee, which first laid sacrilegious hands on the poison laws; and there is not much doubt that the report agreed to by the majority of that Committee had been mentally, if not actually, drafted by Mr. Harrison before a single witness had been heard. Dr. Tilden and Mr. Alexander Cross were the only unknighthed members left who signed that "majority report," and to have given the honour to the member for Camlachie just now would have appeared too much like payment for his recent political conversion. Mr. Boot's opposition to pharmaceutical ideals was prominent and persistent, and "Sir Jesse" is the seal of Ministerial approval. This is not the first time that the Powers that Be have manifested their gratification at the progress of multi-shopkeeping. Some day a statesman will arrive who will perceive that 500 owners of small businesses are better for the community and yield more to the tax-gatherer than one owner of 500 businesses.

Mr. Edmund O. von Lippmann,

whose investigations into the history of the *Balneum Mariae*, or *Bain-Marie*, were noticed in this page a few weeks ago, was then stated to be a "Fabrik-Direktor" of Halle am Saale, in Germany. I

am indebted to Mr. Oscar Guttman, F.I.C., of 60 Mark Lane, for some particulars of Mr. von Lippmann's scientific work. He is, in fact, a "Fabrik-Direktor," having control of a large sugar refinery, and is considered to be the first authority on the subject of sugar in Germany. But Mr. Guttman adds that he also holds the honorary title of Professor, conferred upon him for his great scientific attainments by the King of Prussia. In this country we do not trouble the King if we want that title. Professor von Lippmann has made a special study of the history of chemistry and (Mr. Guttman states) has in previous treatises discussed the chemistry of Plato, of Marco Polo, and of the Papyrus Ebers; he has also investigated the history of gunpowder and of potash.

When Dr. Lydgate

started practice in Middlemarch, George Eliot represents him as determined "to act stoutly on the strength of a recent legal decision, and simply prescribe without dispensing drugs, or taking percentage from druggists." A Tasmanian correspondent asks what was "the then recent legal decision." In the next paragraph the author intimates that the period written about was the year 1829, though "Middlemarch" itself was published in the early 'seventies. The legal decision must have had reference to "secret commissions"; there have been a number of these judgments, but I know of none specially directed against percentages paid by dispensers to prescribers. It has never been declared illegal in this country for a qualified medical practitioner to dispense as well as prescribe, but George Eliot may have been misled on this point by a report of one of the Apothecaries' Society's actions.

Dr. Guillotin

did not invent the machine which has given him so much posthumous notoriety. He was a member of the Constituent Assembly, and proposed that in the new era, which had dawned the death penalty should only be inflicted by means of a machine which should act automatically and instantaneously. The proposal was ultimately adopted, but it was an army surgeon, named Louis, who actually designed the instrument, which was for a time known as "La Louisette." These facts are given in a letter in a recent "Lancet," by Dr. Watkin Jones, of Worthing, who intimates that they have been disclosed by documents discovered in Paris in recent years. I confess they enlightened me, but on looking up some available books of reference I find that the term "recent" must be interpreted very liberally. A French "Dictionnaire des Dates," for example, published in 1843, which happens to be the handiest book of reference, gives the story almost just as Dr. Watkin Jones narrates it, except that it says the instrument was first termed not "Louisette," but "Louison." Dr. Guillotin was imprisoned during the Terror, and only escaped the merciful death which he had advocated by the dramatic fall of Robespierre in 1794. He died, at the age of seventy-six, in 1814.

Individuality,

which is the dominant note of Mr. Gill's letter, is what we want as chemists. Whether in regard to shop-hours, the sale of particular nostrums, the language in which the public is addressed, or in any other part of the conduct of business, it pays for each man to think for himself. "The public appreciates the man who respects himself," says Mr. Gill; and Mr. Reid contends that it does not pay to toady to John Bull. There are some localities where a late evening trade is wanted; there are some chemists who cannot afford to lose the crumbs that fall from the stores' tables. But there are thousands of instances where an independent attitude might be taken without fear. To be always waiting till we can all agree is the most hopeless of methods; just as it is a sign of weakness to adopt exclusively the ideas which we have learned from others.

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Editorial Comments.

Our 42nd Diary.

WHEN writing on the occasion of THE CHEMIST AND DRUGGIST's fiftieth anniversary we mentioned that an almanack was presented to our subscribers at the end of 1859, and this was continued until 1868, when the almanack assumed book form in "The Chemists' and Druggists' Almanack and Pharmaceutical Text-book" for 1869. From that title to "The Chemists' and Druggists' Almanack and Diary" was an easy step made in the 1871 edition; and a year later the annual changed from an octavo to quarto, "The Chemist's and Druggist's Diary" being the title of that year; then in 1874 the present title, embracing the possessive plural, was started and has not been departed from. The changes since have chiefly been in character and expansion, and the *Diary* has become familiar to the drug-trade of the world as a book which business men in pharmacy need for reference in regard to a thousand-and-one things from year's end to year's end. The edition for 1910 makes the forty-second of the series: 42 is a coincidental figure to all who have been engaged in the production of the *Diary*, but has no special significance outside 42 Cannon Street. To the world of pharmacy the *Diary* is the thing, and we may say of the forty-second that it promises to maintain and, we trust, will enhance the reputation of our *Diaries*. There is usually one prominent treatise in the annual which characterises the year of issue. Some of these treatises have been in the past so appreciated by our subscribers and others that they had afterwards to be printed in book form. The *Diary* for 1910 is to be distinguished by two. First there is a conspectus of farm, field, and garden requirements for chemists and druggists entitled "Agri-horticultural Business and Practice," which incorporates, besides trading hints, a series of notes on spraying, fumigation, and vaporising as applied to insect-pests and weeds, with a valuable formulary, as well as the law regarding the sale of agri-horticultural poisons, with an appropriate directory compiled from official sources. This conspectus will, we hope, give a practical turn to the agitation of the year. The second feature is a Dictionary of Synonyms and Trade-names, confined to the most modern words, and occupying the largest section of the many comprised in the whole *Diary*—exclusive of the advertisements, which on this occasion represent a larger number of manufacturers, agents, merchants, and wholesale houses than have hitherto been in the *Diary*. The number would have been larger, and the *Diary* correspondingly bigger, had the pages been kept open longer, for orders are still coming in daily, although printing was completed a week ago and the sheets are now in the binders' hands. We have repeatedly stated in the *C. & D.* since the month of August that our *Diary* must go to press in time to enable us to get it into the hands of our subscribers before New Year's Day, 1910, so that they may begin the business year with it on their desks. What we say, we do, and in this case it means that a part of the edition representing thousands of copies must be printed, bound, and despatched to subscribers abroad by

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the middle of November, so that they may reach in good time Australia, New Zealand, the Far East, South Africa, South America, and other parts distant to the extent of three to five weeks by mail. To keep open longer than our appointed time, November 6, would mean the sacrifice of these markets to those advertisers who recognise their importance by placing advertisements with us in good time. Rather than that we prefer to sacrifice a sheet of advertisements which might be gathered late, and so secure delivery of the *Diary* at home and abroad as nearly as possible simultaneously to all subscribers.

Glyn-Jones on Poisons.

"THE Law Relating to Poisons and Pharmacy" is the title of a book by Mr. W. S. Glyn-Jones, of the Middle Temple and South-Eastern Circuit, Barrister-at-Law, which has been published this week—"a full and orderly statement of the laws which regulate the sale of poisons and the practice of pharmacy in Great Britain." It is not the first book of the kind which has been published. Our own appeared in 1892, and a few months ago a more ambitious work saw the light, but it may be said, without derogation of anything previously done, that Mr. Glyn-Jones's book is the first comprehensive and complete manual of the law, designed to be of service to lawyers and of interest and value to pharmacists—to both of which classes the author belongs. The book is an octavo of nearly 500 pages, and the first point in it which strikes the layman is the large number of statutes which bear directly or indirectly upon the sale of poisons and the practice of pharmacy—viz., seventy-three. Pharmacists have been accustomed to regard the half-dozen Arsenic and Pharmacy Acts as more than enough to keep within, but from the sixty-seven others Mr. Glyn-Jones has extracted information which throws new light upon many parts of the law relating to poisons and pharmacy. In addition to these seventy-three statutes there are also ninety cases under one or other of them which interpret the law, and the bearing of these upon practice is set forth in the book. The following chapter-titles show the sequence of subject-treatment :

- Titles.
- Selling and Keeping open Shop for the Retailing, etc., of Poisons.
- Regulations to be complied with in the Keeping, Dispensing, and Sale of Poisons and Poisonous Substances.
- Poisons within the Meaning of the Pharmacy Acts.
- Agricultural and Horticultural Poisons.
- The Compounding of Medicines of the British Pharmacopœia.
- The Arsenic Act, 1851.
- Penalties under the Pharmacy Acts and the Arsenic Act and Proceedings therefor.
- Exemption of Pharmaceutical Chemists from Jury Service.
- Poisons and the Offences against the Person Act, 1861.
- Offences Relating to the Poisoning of Domestic Animals, Fish, and Game.
- Offences under the Post Office Protection Act, 1884.

APPENDICES.

- A. The Pharmaceutical Society of Great Britain.
- B. Statutes, Charters, By-laws, and Regulations.
- C. Resolutions passed in pursuance of Section 2 of the Pharmacy Act, 1868, declaring that certain Articles shall be deemed to be Poisons.
- D. Reprints of the Reports of leading cases under the Pharmacy Acts.

The method of treatment is good. First, the statutory terms respecting the subject are set forth in large type, and this is followed by annotations in smaller type. For example, the 1852 and 1868 Acts sections dealing with titles are quoted, and appended are comments upon (a) "Any person"—corporate bodies, and in Scotland firms or partnerships coming in for discussion; (b) "duly registered"; (c) "pharmaceutical chemist or pharmacist"; (d)

"assume, use, or exhibit"—which provides much interesting comment upon cases bearing upon implication of registration. The chapter then introduces the 1903 modification of the 1868 provisions as to title, and again the annotations are excellent and interesting. Right throughout the book is characterised by clearness of judgment and thoroughness of reference. A well-known pharmacist once said that the 1868 Act is a wretched Poisons Act, but in the light of Mr. Glyn-Jones's book it would be truer to say that it is a statute which has been handled as if it were itself poison. Originally there were great possibilities in it for those registered under it; some of these have vanished, but the present exposition shows that there are still in the Acts potentialities for good which ought to be conserved. The book has been designed for lawyers primarily, but it should be of great service to those who administer the law, and not of less value to pharmacists themselves, and all who are in any way through practice or trading concerned with the sale of poisons. We hope to return later to some of the new revelations which the book contains, especially those which may be expected to influence the law in interpretation and practice.

Spinal Anæsthesia.

THE abolition of sensation during the performance of operations upon the human body ranks as one of the greatest achievements of surgery during the past century. In view of the formidable methods employed in former days before the advent of aseptic precautions, we can well believe the statement that the deaths which occurred during operations were largely due to the shock the patient experienced at the touch of the knife. Since 1846, when the first operation under ether was performed in England, many objections have arisen to the use of general anæsthetics, such as chloroform, ether, nitrous oxide, or mixtures of these, and when, a few years ago, a method of paralysing the spinal cord, and thus preventing sensation passing to the brain, was introduced, hope was felt that the ideal anæsthesia had been arrived at. Corning in U.S.A. tried in 1885 to establish the action of several drugs when injected in close proximity to the spinal cord, but the honour of introducing spinal anæsthesia into surgery belongs to Professor A. Bier, of Bonn, who in 1898 injected a solution of cocaine into the spinal canal of one of his assistants, and had this operation also performed upon himself. The results obtained from the administration of cocaine proved often disappointing, but more suitable anæsthetics have been found in alypin, novocaine, stovaine, and tropacocaine. The idea underlying this mode of producing insensibility is based on the direct action of the drug employed upon the spinal nerve roots and cord, thus abolishing the transmission of any sensation through the peripheral nerves of the affected part to the brain—in other words, the nerves are temporarily paralysed. Although a considerable measure of success has followed the introduction of spinal anæsthesia, and some remarkable operations have been performed under it, its application to the upper regions of the body has been barred owing to the effects of the anæsthetics on the pulmonary organs, resulting in collapse of the patients. These effects have now been obviated by the use of strychnine along with stovaine, as suggested by Professor Thomas Jonnesco, of Bucharest, who has performed cranial operations under the anæsthetic, the patients being wide awake and not feeling the slightest pain. A full account of the method by the Professor is given in the "British Medical Journal" of

November 13, from which we quote the parts of interest to pharmacists:

"There are two essential points of novelty in the method:

- (1) The puncture is made at a level of the spinal column appropriate to the region to be operated upon;
- (2) an anæsthetic solution is used which, thanks to the addition of strychnine, is tolerated by the higher nervous centres. The selection of the anæsthetic substance to be used will be determined by the surgeon's experience or confidence in any particular drug. I prefer stovaine, which has given me excellent results, and which I know how to manage; but tropacocaine or novocaine are equally efficacious, and, thanks to the addition of strychnine, equally harmless.



"*The Preparation of the Solution.*—The solution must be made at the time when the operation is to be performed as follows: The necessary quantity of stovaine, tropacocaine, or novocaine is introduced into a glass tube (see illustration) provided with an indiarubber stopper, and sterilised in the autoclave. The substances need not be sterilised, since they are themselves antiseptic, and some of their properties would be destroyed by heat. The strychnine solution is made by dissolving 5 to 10 eg. of neutral strychnine sulphate in 100 grams of sterilised (not distilled) water in a glass-stoppered bottle previously sterilised; if 5 eg. of strychnine are used, 1 c.c. of the solution will contain $\frac{1}{2}$ mg.; if 10 eg., 1 c.c. will contain 1 mg. The weaker solution is used for the upper, the stronger for the lower puncture. As the strychnine takes some time to dissolve, it is better to prepare this solution a little before the time when it has to be used. With an ordinary Pravaz syringe provided with a needle for lumbar puncture, 1 c.c. of the solution of strychnine, a syringe, is drawn up and is injected into the tube containing the dose of

stovaine judged to be necessary for the puncture about to be made. The tube is corked again, and shaken, and the salts are dissolved. The same syringe is then filled with the contents of the tube, and is held with a sterilised compress and removed from the needle while the puncture is being made."

In the paper the Professor gives all the details for injection which are necessary for surgeons, although not for pharmacists, also explanation of the diffusive action of the anæsthetic; then he makes the following remarks regarding dosage:

"The amount of stovaine and strychnine in the anæsthetic mixture should vary with the site of the injection, the patient's age, and his general condition. I confine my remarks to stovaine, as it is the drug with which long practice has made me familiar, so that I can administer it with precision and safety. I cannot speak with equal confidence of other anæsthetics, such as novocaine and tropacocaine, with which I have had little experience.

"*Strychnine.* The variation in the quantity of strychnine is not relatively great. For the higher dorsal injection I employ: For children of from one to five years $\frac{1}{2}$ mg. in 1 c.c. The solution is made by dissolving $3\frac{1}{2}$ eg. of neutral strychnine sulphate in 100 grams of sterilised water. For children above five years, for adolescents, adults, and aged people the solution contains $\frac{1}{2}$ mg. of neutral strychnine sulphate in 1 c.c., and is made by dissolving 5 eg. of the strychnine salt in 100 grams of sterilised water. For dorso-lumbar injection, for children from one to ten years old, I use a solution containing 1 mg. of strychnine in 1 c.c.; for children above ten years, adolescents, adults, and old people, a solution containing 1 mg. in 1 c.c., made by dissolving 10 eg. of the neutral strychnine sulphate in 100 grams of sterilised water.

"*Stovaine.*—The amount of stovaine varies with the site of the injection, the patient's age, and his general condition. For the higher dorsal injection I use for children from one to five years old, 1 eg.; from five to fifteen years, 2 eg.; for adolescents, adults, and aged people, 3 eg. For the dorso-lumbar puncture, for children from one to five years, 2 to 3 eg.; from five to fifteen years, 4 to 6 eg.; for adolescents from fifteen to twenty years old, 6 to 8 eg.; and for adults and aged people 10 eg. The dose of stovaine must also be adapted to the general condition of the patient. In persons who are consumptive, very anæmic, who are suffering from auto-intoxication or grave infections, or who have suffered severe injury, or are ischæmic owing to profuse hæmorrhage, 5 or 6 eg. of stovaine produce deep and prolonged analgesia, and larger doses are badly tolerated, causing pallor of the face, nausea, vomiting, and transient faintness.

"In order to be able to judge of the degree of the diffusibility of the liquid injected into the arachnoid cavity the specific gravity of the solution of strychnine and stovaine compared with that of the cerebro-spinal fluid must be known. The average density of cerebro-spinal fluid is 1.003, but it varies from 1.003 to 1.020. Dr. Hancu, Chief Pharmacist to the Coltza Hospital, has found that the following solutions have the specific gravity stated:

	Grams.	Sp. gr.
1. Strychnine	0.05	
Stovaine	2.00	1.0019
Water	100.00	
2. Strychnine	0.05	
Stovaine	3.00	1.0030
Water	100.00	
3. Strychnine	0.10	
Stovaine	6.00	1.0071
Water	100.00	
4. Strychnine	0.10	
Stovaine	8.00	1.0105
Water	100.00	
5. Strychnine	0.10	
Stovaine	10.00	1.0120
Water	100.00	

"The solution used for injection in high dorsal puncture (containing 3 eg. of stovaine and $\frac{1}{2}$ mg. of strychnine) has a specific gravity equal to or greater than the average density of cerebro-spinal fluid; this fact explains the rapid diffusion towards the cervical part of the cord and the cranial cavity, which, as will be shown later, takes place if the injection is made here, and also the readiness with which analgesia is produced. The solution used for injection in the dorso-lumbar puncture has, on the other hand, a specific gravity greater than that of cerebro-spinal fluid, and the larger the quantity of stovaine the higher the specific gravity. In this situation the diffusion of the solution takes place slowly, a fact which explains the relative delay in the production of the analgesia, and partly also the harmlessness of the Trendelenburg position, the solution tending to remain in the lower parts of the arachnoid cavity."

Professor Jonnesco's observations are creating much interest in the surgical world, and it is probable that dispensing chemists may be called upon to prepare the solutions, for which reason we give the directions in full.

Sentimental Tommy Mercerised.

The distinguishing characteristic of Barrie's delightful creation "Sentimental Tommy," apart from his hesitation in selecting the right word, was his reputation for finding a way. The President of the Pharmaceutical Society is in one of Tommy's way-finding moods, and, like Tommy's friends, we may all stand round him with mouths agape while he ponders over the way out in the Mercer Pharmacy case. Let it not be thought that Mr. Harrington was giving the *C. & D.* the lie direct when he told a West end audience on Wednesday evening that the time had not passed by for appeal, and that the Council are still earnestly considering it. The *C. & D.* representative was informed at the proper quarter in the High Court on Thursday, November 11, that that was the last day for appeal to be lodged by the Society, and no appeal had been lodged. British law is no doubt equal to the strain of a new way that the President may find, but that is another story. The Council members quietly dispersed to their homes after the last Council meeting under the idea that no more was to be done in the Mercer case, not reckoning upon the general indignation of the trade; hence, we presume, the renewed earnest consideration. Well, Tommy's way was frequently mere bluff.

Patent Medicines.

We mentioned last week that the Home Secretary is again to be asked to appoint a Select Committee in regard to the sale of proprietary medicines, especially dealing with the proposal that it should be compulsory upon manufacturers of such medicines to print the formulae on the labels, as well as the diseases which they purport to cure. It appears that those who are moving in the matter are under the impression that a provision of this nature

exists in the United States and in Canada, Australia, and other parts of the British Empire. We have repeatedly pointed out that no such provision exists in any English-speaking country of the world. In Canada a "proprietary or patent medicine" is defined as one of which *the formula is not published, or is not given on the label*, so that the effect of this definition is quite the opposite to what is proposed by those who are addressing the Home Secretary. The Canadian law prohibits the sale of any proprietary or patent medicines which contain cocaine, or alcohol in excess of the amount required as a solvent or preservative, and it controls the sale of those which contain one or more of the thirty-one toxic drugs which are specified. In the latter case the name of the toxic drug or drugs must be conspicuously printed on the label, and the Minister of Inland Revenue ensures that the proportion used is not dangerous to health. The United States provisions are of a similar nature, but not quite so stringent. In Australia and New Zealand proposals have been made to have the formulæ on the labels, but after much inquiry and agitation such proposals have been set aside as impracticable and unnecessary, as the provision respecting the declaration of toxic components has been found to meet the public requirement, along with some assurance that exaggerated and unwarrantable claims respecting the properties of medicines are not made. It is a curious circumstance in connection with the questions addressed to the Home Secretary that if effect were to be given to their patent medicines would cease to be "secret remedies," and the most common ground of liability to medicine stamp-duty would thus be removed.

The Proposed Cinchona Combination.

In our editorial on Java Cinchona, published last week (p. 751), the proposed combination of cinchona growers and quinine manufacturers to limit the output of bark was referred to, and it was mentioned that unless external pressure could be applied to the Bandoeng factory, which is at present standing out, the proposed combination was likely to fall through. A means of applying pressure was suggested in an anonymous letter to the "Indische Mercur" of October 19, in which it was proposed that a deputation of planters should interview the Governor-General of the Dutch East Indies, and suggest that the contract of the Government cinchona undertaking with the Bandoeng factory, which terminates next December, should only be renewed on condition that the factory comes into line on this question. According to the "Indische Mercur" of October 26, a meeting has been arranged at Semarang between the director of the Government cinchona undertaking, Baron C. W. van Heeckeren, representing the Bandoeng Quinine Factory, and Dr. Treub, the director of agriculture at Buitenzorg, in order to discuss the renewal of the contract. It is expected that the Government will raise the question of a lowered cost of production, and it is possible that it will stipulate that the factory shall join the suggested combination.

A Retailer in Parliament.

It would seem that Mr. Glyn-Jones's experience as a retail trader appeals to a wider circle than pharmacy. The part which Mr. Glyn-Jones has taken in establishing a valuable system of price-protection has made his name familiar in several branches of the retail trade, stationery among them, and the *Stationers' Gazette*, referring to his candidature for Stepney, says:

All retail traders interested in price-maintenance will, apart altogether from political opinions, wish success to Mr. Glyn-Jones, who has decided to stand as Liberal candidate for Stepney at the next General Election. Mr. Glyn-

Jones, who is the secretary of the Chemists' P.A.T.A., and the pioneer of price-maintenance in that trade, began life as a retail chemist, but is now practising as a barrister. Should he succeed in securing election to Parliament we feel sure that retail traders, whether chemists or not, will have in him a champion who, understanding as he does the conditions under which they labour, will intelligently and enthusiastically represent them. Despite his present profession, we feel sure he will be a "business" member.

We do not think that chemists will grudge Mr. Glyn-Jones devoting himself, when he gets into Parliament, to the interests of retail traders generally. In such matters as shop-hours he can speak from personal experience, as well as intimacy with shopkeeping trades generally, and all the laws relating to shop-trading are familiar to him as a trader as well as a lawyer. This is a combination which has rarely been represented in Parliament.

Purity of Chloroform.

At a recent inquest held by Dr. F. J. Waldo regarding the death of a man who had succumbed in St. Bartholomew's Hospital while under the influence of chloroform, Dr. Waldo remarked, in summing up, that too little attention had, so far, been given by those responsible for the administration of anaesthetics, such as chloroform and ether, as to the actual relative safety or otherwise of the drug employed, and made either from ethylic alcohol, or from methylated alcohol, or from acetone. The *Daily Telegraph*, in referring to the matter, says:

"There are three varieties of chloroform which can be used for anaesthetic purposes, differing in purity and their cost; the purest form, which is made from ethylic alcohol, being, of course, the most expensive."

This goes further than Mr. W. Foster Cross, the second chief of the visiting anaesthetists at St. Bartholomew's Hospital, went in his evidence. The Coroner had remarked that he had been assured that chloroform from acetone is chemically the same, and quite as safe as any other kind, and much cheaper. Mr. Cross replied that he did not agree with this dictum, and did not believe that the effects and risks were the same from the three kinds of chloroform. He thought the very purest chloroform—or, in other words, that made from ethylic alcohol—should be used in all operations. There is no doubt that a path of safety is often found by the use of "the best and dearest," but to chemists it is well known that commercial chloroform from the three sources is chemically and physically identical, except that chloroform made from acetone does not contain (unless it is added) the trace of ethyl chloride present in chloroform from alcohol. Apart from this, it has never been shown that commercial chloroform contains any toxic substance to account for deaths while patients are under the anaesthetic. The really crucial question seems to be, Have such patients obtained while inhaling the chloroform sufficient air for the continuance of life?

Lemon Oil in U.S.A.

Towards the end of 1907 about 100,000 lb. of lemon oil, shipped by Messina houses of high repute, was rejected by the Customs authorities in New York as adulterated. Dr. Bosurji, the Italian analyst, was sent over by the Messina Chamber of Commerce, and remained in New York for a considerable time, but could not persuade the authorities that they were wrong. We pointed out in our issue of November 23, 1907, that in the middle of October Mr. Ernest J. Parry was retained by the exporting houses, with instructions to report by cable. Mr. Parry was able to convince the American authorities that while their chemist's figures were correct, the deductions drawn from them were incorrect, and that the standards accepted in America were obsolete and erroneous. The result was that

the oil, which was perfectly genuine, was released and taken into commerce in New York. Following on this the Department despatched Mr. E. M. Chase to Sicily, and it now transpires he has reported that the bulk of these samples contained a distinct quantity of pinene, whereas samples pressed under his supervision in Europe did not show any trace of pinene. The conclusion which, we understand, is drawn by American chemists is as follows: "The only reasonable conclusion would seem to be that where pinene is found in lemon oil, using only ordinary means of distillation, it is *prima facie* proof of adulteration, whether or not the physical contents of the oil are abnormal." We have submitted the preliminary reports to Mr. E. J. Parry, who writes as follows:

"The absurd test which is given in the British and American Pharmacopoeias of a maximum difference in the optical rotation of the oil and the first 10 per cent. distilled of 2° is responsible for much of this alteration. It is impossible effectively to criticise Dr. Wiley's report until it is carefully examined, but I am able to say this much: that it was solely on this distillation-test that the erroneous conclusions of 1907 were made—namely, that turpentine oil was present. Further, the presence of pinene as a normal constituent of lemon oil has been proved by Burgess and by Schimmel. Lastly, the difference in the two rotations may be up to 7° or even 8° in many samples, especially where a proper fractionating-flask is used. From the data before me, I should think that the American chemists will very quickly find that they will have to revise their views on lemon oil or cease to import it, as the greater part of the pure lemon oil produce I would be condemned by them at the Customs."

On receipt of Dr. Wiley's full report we propose to return to this subject.

Otto of Rose, 1909.

By John C. Umney, F.C.S.

HAVING had the opportunity of examining samples of practically all the brands of this season's otto of rose offered on the London market, I think it may not be out of place to put on record the results as regards odour and their physical and chemical characters. For the comparison of odour, both delicacy and permanent sweetness have been taken into account. In determining this characteristic the odour was tried when freshly exposed on blotting-paper, then after one hour, and again after twenty-four hours. The conclusions arrived at are set out in the following table in the order as selected. My own observations were checked by two experts, one English and one French, and their opinions coincided with my own, with the exception of some doubt in "placing" samples Nos. 2 and 3.

Characters of Otto of Rose, 1909.

Sample	Sp. Gr. at 30° C.	Ref. Index at 20° C.	Melting-point.	Percentage of Alcohols calculated to $C_{10}H_{18}O$.	Odour value.
1	0.861	1.4622	21-22	76.1	Very soft and lasting.
2	0.860	1.463	21-22	73.3	" sweet
3	0.861	1.4640	21	74.1	" sweet
4	0.860	1.463	21-22	73.7	Fine
5	0.856	1.4620	21-22	72.5	Not very lasting.
6	0.860	1.4640	21-22	71.1	Fair.
7	0.867	1.4612	21	75.5	Strong and coarse.
8	0.860	1.4630	21-22	74.2	Impure.
9	0.862	1.4640	21	73.4	

From this it will be seen that the physical characters of those oils which may be classed as *fine* are in fair accord. I hoped that my observations would enable me incidentally to decide once and for all the much vexed problem as to whether the alcohol percentage of otto of rose is to be regarded as an absolute criterion of purity or not. Mr. E. J. Parry has stated (*C. & D.*, August 14, 1909, p. 292) that in his opinion a pure otto of rose rarely exceeds 75 in alcoholic percentage, and this figure agrees with the experience of Messrs. Schimmel & Co., who in their half-

yearly reports for April and November 1908 state that the alcoholic range is from 66 to 76, but rarely exceeding 75. There is, however, one important feature, and it is to this I specially desire to call attention. Otto of rose has apparently risen considerably in percentage of alcohol since November 1896, when in *THE CHEMIST AND DRUGGIST*, 1896, II., p. 795, I reported on fine and, in my opinion, pure samples of otto of rose, the characters of which were as under:

Characters of Otto of Rose, 1896.

Sample	Sp. Gr. at 30° C.	Crystallising-point	Percentage of Alcohols calculated to $C_{10}H_{18}O$.
1	0.8566	21.9° C.	77.1
2	0.8599	21.4° C.	72.3
3	0.861	21.4° C.	75.1
4	0.859	21.6° C.	72.3
5	0.853	21.7° C.	69.2

What has happened since? Is the rise in percentage of alcohols of apparently the finest otto of rose due to (1) difference in season, (2) difference in the method of distillation, or (3) the employment of more subtle adulterants than of twelve years ago? In the paper referred to I reported on three samples which were obviously impure, as seen from the following characters:

Sample	Sp. Gr. at 30° C.	Crystallising-point	Percentage of Alcohols calculated to $C_{10}H_{18}O$.
1	0.863	19.4° C.	75.5
2	0.868	18.7° C.	77.6
3	0.868	18.9° C.	76.6

The impurity of these was rendered evident at once by the high specific gravity, low congealing-point, and high percentage of alcohols. In the lower parts of the first table in the present communication it will be observed that those samples which have a particularly high percentage of alcohols correspond more nearly in regard to specific gravity with pure otto of rose, and much more nearly in congealing-point, than did the various specimens of twelve or thirteen years ago, the latter due to the large quantities of otto stearoptene now available from the manufacture of stearopteneless oil and also specially prepared hydrocarbons.

In reviewing these figures I think one is driven to the following conclusions:

1. That the adulteration of otto of rose is to-day generally of a much more skilful nature than it was ten years ago.
2. That any otto of rose which shows physical and chemical characters *much* outside fairly well-defined limits may be at once condemned as impure.
3. That perfectly pure samples may have characters very slightly outside the average limits of the season's otto, but so long as the odour of such otto is of the best it should not be condemned.
4. That the physical and chemical characters *alone* do not guarantee the purity of a given sample. The most skilful adulteration aims at producing mixtures having the same general characters as otto of rose, and the odour-value of a sample must be taken into account in judging an otto. If a sample has all the usual physical and chemical characters of a normal pure otto, yet its odour, in the opinion of an expert, is not that of a typical pure otto, it should unhesitatingly be condemned.
5. That while due regard should be paid to the purely analytical aspect of the matter, buyers of otto of rose who wish to obtain the best results in their preparations should, in addition, safeguard themselves by handling the products of firms whose reputation is such that for their own sakes they exercise the greatest care in purchasing their otto from peasant distillers.

QUININE IN TURKEY.—In a report issued by the French Chamber of Commerce at Constantinople, it is stated that, in consequence of malaria being endemic throughout Turkey, quinine is in great demand, both among natives and foreigners. The principal supplying countries are England, France, Germany, and Italy. Getting the business is not a matter of free competition, says the Consul, but is entirely a question of the personal influence of the agent and the extent of his connection.

Why Some Businesses Won't Sell.

By Jay Mack.

III. A BUYING AND BORROWING PLAN.

IO separate the sheep from the goats is often a difficult job, and the men who either cannot see or will not see the need for going over their stock before offering it for sale, and reducing it to a business figure by eliminating the old and by preventing the stock rising again, had best be left to keep their businesses. Their trustees will make short work of the job; the only ones to suffer will be the widow and family, who may have to take 400% instead of an expected 800%. Let us deal with the others.

A 1,500% BUSINESS.

As an example to argue on, it is offered, say, by a man who has followed out some such plan as I have outlined, and he asks a price as follows:

Stock is now	£250
Fittings estimated	175
Goodwill (half-year's profits)	140
	<hr/>
	565
Extras in house	35
	<hr/>
	£600

Books kept; gross profit £50; net profit £285; good position; fourteen years' lease; tenant decorates inside every seven years; everything in order for entry; books show returns to be steady last three years.

If the stock has really been taken, then I would offer 400% cash and 200% to be paid off in three months, and I will prove that it is possible to borrow part of that 400% and even all of it, and repay the lot in four years easily.

TAKE OVER THE DEBTS.

The trade debts due for goods of the outgoing owner to the amount of 200%, and pay them off out of takings as they fall due instead of arranging a lump sum payment of 200%. This has several advantages. It is difficult to keep a lump sum at the bank without the temptation to encroach on it, and by dealing with some of the same firms as the former owner you get six, eight to thirteen weeks' credit so long as you keep on paying the old accounts as they fall due.

If you keep your orders in the meantime down to the lowest point, you need not have the least fear that when your orders for goods come due you will have cash to meet them. By the end of the first thirteen weeks you will have paid off the whole of the 200% of back debts, because if you start with a new quarter you will have no rent to pay until after the end of thirteen weeks, so that the first quarter is the proper time to make the big repayment. The crux of the whole thing is your system of orders during these thirteen weeks. If you load up, if you go in for extensive and expensive goods in the hope that you are to turn a 30% a week business into a 50% by some of your own wonderful advertisements of cunningly devised "pulling power" that do not always come off, and you have in the meantime sunk 200% of takings in partly paying for the business, you will come to grief and will need to borrow more capital at once or go bankrupt. I will prove that it can be done, and I have figures going back three years, from which I take the following:

END OF FIRST QUARTER.

Credit		Debit	
Takings	Bankings	Cheques for Goods	Cheques for Expenses
£	£	£	£
380	300	200	50

You have lived and paid wages and other urgent expenses on the 80% over and above bankings. You have paid your

rent, rates, and light at quarter's end, and cleared off the 200% of old-stock debts and still have 50% in the bank. Presuming you have no repairs to undertake, you are now free of the debt to former owner, and if you continue the wise and safe policy of small stocks of readily saleable goods to the end of four years you will have money in hand.

END OF YEAR.

You found the seller's statements substantially correct, and you made 500% gross and 285% net profit on the year.

I will show that you can keep solvent by keeping down stock, and that you could have started on 400% of borrowed capital at 5 per cent., and repay the lot in four years. Incidentally the case I mentioned where the whole of 700% was borrowed to buy an old business took five years to pay off, and a very fine modern business it is now. Here are the figures dealing with the 400% repayment:

PRIVATE CAPITAL ACCOUNT.

End of First Year.

Cr.		Dr.	
	£		£
Net profit	285	Living	160
		Interest on £400	20
		Capital repaid	100
		Balance	5
	<hr/>		<hr/>
	285		285

End of Four Years.

Cr.		Dr.	
	£		£
Net profit	285	Living	160
"	285	"	160
"	285	"	180
"	285	"	180
		Interest, 20, 15, 10, 5	50
		Repaid	100
		"	100
		"	100
		"	100
	<hr/>	Cash at bank	10
	1,140		<hr/>
			1,140

Now do you see where you would have been had you allowed the stock to rise to 650% instead of keeping it at 250%? You would have been just as well off on paper, but you would not have had the cash available to repay the loan of 400%.

AN 850% BUSINESS.

I promised in the first article of this series to bring you back to the old days of 1860, when my old employer borrowed the whole of 200% to start a business and paid it off in one year, carrying forward his debts on stock as usual and paying off as they fell due. Here is the modern application, supposing the business to be offered, as under, in fair order, stock low:

Stock	140
Fittings	110
Goodwill	75
Extras in house	25
	<hr/>
	350

No books; gross profit, 50 per cent.; net profit, 220% (both estimated); yearly lease, renewable; small sales; very profitable; easily worked; no assistant.

PRIVATE CAPITAL ACCOUNT.

End of Three Years.

Cr.		Dr.	
	£		£
Net profit	220	Living	130
"	220	"	140
"	220	"	150
		Interest, 10, 8, 3	21
		Repaid	75
		"	75
		"	50
	<hr/>	Cash at bank	19
	660		<hr/>
			660

It smoothes the way if you have money of your own saved. Few men think of borrowing the lot; fewer still know where or how to borrow. Rockefeller's advice would seem to apply here: "Cultivate a reputation for saving; so you may borrow money for business."

Winter Session of Chemists' Associations.

Brief Records.

Guildford.—A meeting of the Guildford Chemists' Association was held at the Angel Hotel on November 10. Mr. Clapham, Farnham, was in the chair. The business was formal.

Bradford Chemists' Association.—Mr. J. Gordon presided at a meeting held at the Rawson Hotel on Tuesday evening, November 15. Dr. Rabagliati, of Bradford, delivered a lecture entitled "Some Criticisms of the Darwinian Theory." Messrs. F. Metcalfe, M. Firth, Holmes, Sutcliffe, Craven, and R. T. Silson commented upon the lecture in appreciative terms, and Dr. Rabagliati was cordially thanked.

Great Yarmouth.—The monthly meeting of the Great Yarmouth Pharmaceutical Association was held at 156 King Street on November 11. The President (Mr. J. Shearman) was in the chair, and there were also present Messrs. T. B. Male, H. Palmer, A. R. Davies, H. E. Goddard, W. G. Poll, T. Woodcock, and A. E. Richmond. The Secretary read a report of the rifle team's progress in the Dewar Shield, and the President presented a silver spoon to Mr. H. E. Goddard, the member of the team who made the best average.

Spirituous Medicines.—A special committee of the Hull and District Pharmacists' Association has resolved: "That a letter be sent to Somerset House calling attention to the fact that spirit of nitre and other preparations containing spirit of wine are largely sold by small shopkeepers and other unqualified persons in this city, and asking if some steps cannot be taken to put a stop to this practice." [Somerset House, it may be pointed out, no longer deals with such matters, which are now controlled by the Board of Customs and Excise, Custom House, London, E.C.—EDITOR C. & D.]

Bath Pharmaceutical Association.—At the November Meeting Mr. W. J. Hallett delivered his presidential address dealing with the Poisons and Pharmacy Act and the National Union of Assistant Pharmacists chiefly. He regretted that chemists had not seized this opportunity of dealing effectively with the title question by using the title "pharmacist" more effectively. He urged upon the members the desirability of strengthening the association and making it a real living force in the city. By keeping its aims and objects well in view and giving the association the publicity it deserved, it would become a power in municipal work, and he did not see why they should not be consulted on the "forward policy" which is being adopted in Bath, as neither the Town Council nor the Chamber of Commerce had a monopoly of wisdom.

Salford Pharmacists' Association.—The annual meeting was held at the Cattle Market Hotel on Thursday, November 11. Mr. Connciller Jones presiding over a good attendance of members. Mr. Harrop gave an account of the finances of the Association, which showed a very healthy condition of affairs. After the Secretary's report was read the election of officers for the year was proceeded with. Mr. J. Jones was again elected President, Mr. J. H. Harrop Treasurer, and Mr. H. Stout Secretary. Mr. D. Lewis was proposed as Divisional Secretary to the Pharmaceutical Society for West Salford. The Mercer case came up for discussion, and on the motion of Mr. Jones, seconded by Mr. Gill, the following resolution was unanimously agreed to:

That the attention of the Pharmaceutical Society be called to the judgment given by Mr. Justice Darling *re* the use of the word "pharmacy," and, in order to protect registered chemists fully, the case should be taken into higher courts.

Harrogate Pharmaceutical Association.—The first meeting of the session was held at the Salisbury Hotel on Friday evening, November 12. Mr. H. G. Mitchell in the chair. Messrs. Atkinson, Eynon, Handford, Halliday, Weston, Hines, Mote, Pattison, Rogers, Bidre, Sol Taylor, Smeddles, Venn (Treasurer), Southwell (Secretary), McMillan, Simpson, and Park were also present. At the conclusion of considerable important business, the following gentlemen were elected members of the Association: Messrs. McMillan, Wilfrid Simpson, and Park. On the motion of the President, seconded by Mr. Eynon, it was unanimously agreed that the Secretary should send a cheque for 5l. 5s. as a donation from the funds of the Association to the Pharmaceutical Benevolent Fund. Mr. Mitchell then gave the presidential address, after which the rest of the evening was spent in a social manner. Messrs. Eynon, Weston, Atkinson, Hines, Mote, Sol Taylor, Park, and Rogers contributing songs and other amusing items.

Huddersfield Chemists' Association.—A meeting was held at the Queen Hotel, Huddersfield, on Tuesday evening,

November 16. Mr. Stephens in the chair, who was cordially welcomed as new President and congratulated upon the success of his son Mr. H. D. Stepheus in obtaining an entrance scholarship of 25l. at the Royal Dental Hospital. The President was deputed to represent the Association at the annual dinner of the Bradford Association, to be held on December 9. The meeting resolved collectively and individually to support the memorial of the Chemical-trade Section of the London Chamber of Commerce to the associated railway companies. The President then gave his inaugural address, in which he dealt with the fields open to chemists and druggists. He thought the training should be directed towards a large field, to analyses of trade products such as soaps, oils, and even coal to determine gas-producing qualities, and milk and water supplies. In the discussion, Mr. R. C. Walshaw said he did not think there was a very large field for their profession in these departments, but thought the Government ought to take action to prevent the public from alleged "remedies," which were charged double the price of ordinary staple drugs.

Forfarshire Chemists' Association met in Mather's Hotel, Dundee, on Thursday, November 11. Mr. John Anderson (President) in the chair, and there were present Messrs. Rutherford Hill, Edinburgh; John Gray, Chas. Kerr, Jas. Russell, Wm. Doig, John Doig, Wm. Ramsay, Wm. Moir, A. C. Walker, A. Soutar, J. McHattie, Wm. Cummings, Dundee; J. H. Thomson, Lochee; Chalmers, Newport; Macfarlane, Perth; Harley, Perth; Johnston, Broughty Ferry; and Naysmith and White, Arbroath.—Mr. Kerr asked to be permitted to refer to the death of their old friend Mr. James Ford, of Kirriemuir, who had been one of their most active members, and was a model pharmacist. He proposed that they record in the minutes the great loss they had sustained and their sympathy with his family. Mr. Naysmith also joined in the tribute, and the Chairman said the previous speakers had anticipated what he intended proposing. At the time of Mr. Ford's death he wrote a letter of sympathy to Miss Ford in the name of the Association, and he was sure they would all agree that their tribute be muted.—The Chairman proceeded to refer to the position of affairs following the granting of poison-licences. He thought the barometer indicated unsettled weather, but they could not blame the Pharmaceutical Council. Members must share the responsibility. They had received assurances from those in charge of the Bill, and were bound to accept them. They must just make the best of it. Mr. Hill had come to their meeting in response to their invitation, and would no doubt be able to give them some information.—Mr. Hill asked to be allowed to associate himself with the kindly tribute made to the late Mr. Ford. He then proceeded to say that it gave him much pleasure to attend these meetings and to hear what chemists are saying. He thought their President took too despondent a view. Although they in Forfarshire had not been able to do much in the way of checking the granting of licences, he assured them they need have no regrets for the trouble they had taken or the money spent in that direction. Their case had been submitted with great ability by Mr. Charles Soutar, solicitor. A full report on the position in Scotland had been sent to London and was being considered by a committee of the Council, and he assured them the whole circumstances were receiving the best possible consideration. He thought many of those who had obtained licences had little idea of the responsibility attached to them, and he would not be surprised if many dropped them after a time. Mr. Hill having replied to a number of questions by Mr. Macfarlane and Mr. Harley, Mr. Kerr moved a vote of thanks to him for his interesting address.—Mr. Kerr drew attention to the need for some agreement about prices of medicines in Dundee. He asked how the Arbroath arrangement was getting on. Mr. Whyte and Mr. Naysmith assured the meeting that the price-list is a success, and all loyally stand by it. On the motion of Mr. Kerr, seconded by Mr. J. H. Thomson (who said the present condition is deplorable), the local committee was instructed to take into consideration the drawing-up of a price-list. Thanks to the Chairman closed the meeting.

Birkenhead and Wirral Association of Pharmacists

A CONVERSATIONAL meeting was held on November 11 to discuss topics of general and local interest. After the ordinary business of the Association was over, the President (Mr. C. H. Sturt) opened the discussion, commenting on several local points, and then referred to the policy of the Pharmaceutical Society with reference to the Pharmacy

Act 1908, and also to the recent "Pharmacy" case. He showed how chemists' rights under the 1858 Act were, one by one, being filched away, and that now the time had arrived when every registered pharmacist should pocket all his grievances and support the Pharmaceutical Society in any effort, not only to regain and re-establish the position, but in the struggle to prevent any further encroachments upon their privileges. The following resolutions were passed unanimously:

1. "This Association views with great alarm the serious position of pharmacists resulting from the decision in the recent *Pharmaceutical Society v. Mercer* case, and urges the Pharmaceutical Council to take every possible means to recover and reassert the hitherto absolute right of pharmacists by examination to all names and titles implying or assuming the art or practice of preserving, compounding, and dispensing of medicines, and to prevent the usurpation and encroachment of rights and privileges by unqualified traders, and this Association pledges itself to support the Society in any action it may take."

2. "This Association is astonished and alarmed at the unlimited and indiscriminate granting of poison-licences under the Pharmacy Act, 1908, by local authorities where facilities already exist which we believe to be contrary to the letter and spirit of the Act, and will ultimately constitute a public danger, and we regret the apparent inaction of the Pharmaceutical Society in the matter and urge on the Society the advisability of instituting a test case."

Portsmouth Pharmacists' Association.

THE monthly meeting was held at the Photographic Society's Rooms, Pembroke Road, Portsmouth, on Wednesday afternoon, November 17. About twenty members attended, including Mr. T. A. White, Vice-President (in the chair), Mr. Barlow, Secretary, Miss E. Hooper, Messrs. Bell, Darling, Donaldson, Gorfett, Greswell, Postlethwaite, Smith (Gosport), Trist, etc., Mr. R. A. Cripps, F.I.C., and Mr. Arnaud, F.I.C., Borough Analyst for Portsmouth. The Vice-President declared that Mr. T. H. Cruse, the President, was indisposed.

Mr. J. J. Sapp, J.P., and Mr. J. Cain were elected members.

The Chairman welcomed Mr. Cripps, who addressed the meeting on

THE FOOD AND DRUGS ACTS AND THE PHARMACIST.

In the course of his remarks, Mr. Cripps said that when a sale is made to an inspector for analysis the vendor should see that the requirements of division, sealing, etc., are carefully complied with, and that reasonable care is taken in preserving the third part returned to the vendor, as in case of reference to Somerset House this part might prove the chemist's salvation. He deprecated the system in vogue of tradesmen informing their neighbours by telephone or otherwise of samples having been taken, or when suspecting the mission of their client, informing him that they were out of stock. He was not sure they did not render themselves liable under Section 16 for obstructing the working of the Act. In his experience prosecutions are generally instituted on the advice of the analyst, but occasionally action is taken by the authorities in direct opposition to his opinion, but either way the vendor blames the analyst. As to warranty, Mr. Cripps detailed its provisions and gave minute instructions for obtaining protection under it. The two points emphasised were: (1) The warranty must be clear in terms; (2) It must refer to the actual consignment. The proof must also be made out that the article was sold exactly as received. Cases which have appeared clear have been upset on a trifling matter. For instance, a little colouring matter added to milk, which could scarcely have varied its composition, enabled a warrantor to escape, and this should be borne in mind in such a case as adding burnt sugar to paragonie to suit the ideas of a particular neighbourhood. Unscrupulous warrantors should be unmercifully punished, he said. The "no standard" cry could not be pleaded in the case of drugs. The B.P. has become established as the standard for B.P. articles, and for purposes of defence we must show a recognised custom, otherwise the B.P. is binding. The practice of taking informal samples is growing and has much to recommend it. With such articles as liq. magnes., spt. aether. nit., and liq. calais it is a poor defence to plead that they are liable to deterioration,

rather should the chemist try to show that he has done all in his power to keep the preparation up to the standard. This deterioration story is frequently brought forward as an excuse in weak camphorated-oil cases. There is only one reason to be considered why the oil is weak—the proper amount of camphor has not been put in. Tincture of iodine and quinine wine were also mentioned, and Mr. Cripps read lengthy extracts from public analysts' reports. Mr. Cripps was thanked, and a short discussion followed, in the course of which Mr. Arnaud gave an interesting description of the methods adopted by the local Health Department. From his remarks it was gathered that local pharmacists do not give much trouble, and that where informal samples had been defective a caution to the vendor had been sufficient to put the matter right.

Manchester Pharmaceutical Association.

THE second meeting of the session was held on Wednesday evening, November 10, at the Medical School of the University, and was intended for apprentices and assistants, of whom there were present three dozen or more. An exhibition of useful pharmaceutical apparatus was displayed in the pharmaceutical laboratory and occupied the attention of those present until 8 p.m., when an address was delivered in the Museum of Materia Medica on

THE PHARMACOPOEIA

by the Secretary (Mr. Jas. Grier, M.Sc.), lecturer on pharmacy, University of Manchester. The lecturer defined the art of pharmacy as the application of the sciences of chemistry, physics, and botany to the preparation of medicines, and then proceeded to define practical pharmacy as the treating of crude drugs so as to render them fit for administration in medicine, and compounding as the mixing together of such prepared drugs to the prescription of a physician or according to standard formulæ. Dispensing consists, he said, in presenting the medicine in a form suitable for administration to the patient, as in tablets, pills, cachets, capsules, or plasters, and dividing it into the prescribed number of doses, in placing it in suitable receptacles, and in labelling and finishing it off. After quoting from the preface to the B.P., p. xix, which directs that when official drugs are dispensed in such non-official forms the drugs themselves must respond to the official characters and tests, the lecturer proceeded to define a Pharmacopœia as a book published by authority of the State or other authority, so that members of the medical profession and those engaged in the preparation of medicines may have a uniform standard and guide. The object of the book, as stated in the preface to the 1869 edition, being not so much the selection as the definition of substances of recognised medicinal value, distinguishing characters and tests are given in the official descriptions, as well as tests for the detection of natural or accidental impurities. The division of medicinal substances into chemicals and galenicals led to the discussion of the methods of determining their strengths. The question of standardisation of galenicals was discussed at some length, and the objects of the official methods explained. It was shown that where there is no reliable process of assay attention is directed to the cultivation and selection of suitable commercial varieties as the next best thing, or even to the methods of extraction in the preparation of the galenicals. Physiological standardisation was discussed, but the processes were not considered to have that scientific precision which would warrant their inclusion in the B.P., and it was pointed out that they had been denied admission into the U.S.P., 1900. The contents of the B.P. were roughly classified as follows:

Crude drugs and natural products, including some twenty animal substances or preparations ...	150
Artificial products of erude drugs— <i>e.g.</i> , volatile oils ...	56
Active principles (with derivatives) of erude drugs ...	31
Chemicals: inorganic, 125; organic, 40 ...	165
	404
Preparations of all the above ...	432
Total ...	836

The distinction between official and non-official was then given, and the additions, omissions, and alterations in names, composition, and strengths were illustrated. The

omissions amounted to 188, the additions to 80. Nomenclature was then gone into fully, and the lecturer concluded with a brief *résumé* of the history of the London Pharmacopœia and its evolution into the present British Pharmacopœia. A discussion followed, in which Messrs. Kidd (who presided), Lane, Blain, and Kirkby took part. Mr. Kirkby was particularly happy in his remarks on old medical and pharmaceutical lore.

[Mr. W. H. Butchers, Pharmaceutical Department, Royal Infirmary, Manchester, informs us that, following up a suggestion made at the meeting that a Junior Association should be formed, several leading Manchester pharmacists have promised assistance. Afterwards an informal meeting of assistants was held, and at their request Mr. Butchers desires to call the attention of pharmacists, assistants, and apprentices to this matter. Several names have already been handed in, and Mr. Butchers would be glad if all who are interested would assist by forwarding their names to him at the above address.]

Glasgow and West of Scotland Chemists' Association.

THE inaugural meeting of the session was held in the Regent Tea Rooms, Glasgow, on Thursday evening, November 11, Mr. J. W. Sutherland (President) in the chair. There was a large attendance. Ten new members were elected. It was decided to hold a concert in aid of the Pharmaceutical Benevolent Fund, and it was remitted to a committee to arrange.

The President outlined the Association's winter programme, pointing out that a series of very interesting meetings had been arranged, dealing with the business side of pharmacy as well as the social relations of the members. Mr. Sutherland then delivered an interesting address on

THE PRACTICE OF PHARMACY 60 YEARS AGO.

In the course of this he said that twenty years before the passing of the 1863 Act the dispensing of prescriptions in Scotland was chiefly in the hands of doctors, and in many cases the druggist of that period was simply an intelligent merchant, who gradually acquired a knowledge of pharmacy from a doctor friend and assisted him, in many instances, in minor work, such as blood-letting, vaccination, and in dispensing his prescriptions. In larger towns, like Glasgow and Edinburgh, as well as in some of the smaller towns, the local requirements were such as to necessitate the druggist giving his whole time and attention to the duties. Still, prescriptions, as we know them, were not very numerous, and well-known pharmacists had few to dispense. They supplemented their duties by supplying simple and well-known drugs, leeches, bandages, list, a few proprietary medicines, soaps, druggists' goods, stationery, tobacco, and snuff. The snuff-trade was a considerable one in some places, and Dundee, he thought, still enjoys the monopoly of retaining this trade in the chemists' hands. [EDITOR.] Mr. Sutherland then mentioned that in going over two or three prescription-books, dating from 1847 to 1850, he had been greatly struck with the extraordinary demand for opium and its preparations, quinine, sulphate, berberine, and compound pills. Mixtures were charged—2 oz. 8d., 4 oz. 1s. to 1s. 3d., 6 oz. 1s. 3d. to 1s. 6d., 8 oz. 1s. 4d. to 1s. 6d. Bulk was a consideration in those days, and bottles of 16, 24, and 30 oz. were quite common, with dose of three teaspoonfuls to a wine glassful or more. He submitted a few examples of prescriptions. Pills were ordered in one and two dozen lots. The price was usually 4d. or 6d. per dozen, and two dozen, that would take half an hour to make, were only charged 8d. to 10d. or 1s. Silvering was 2d. per dozen extra. Powders were usually charged 9d. to 10d. per dozen; two dozen 1s. 6d., and were often ordered to be given in jelly or honey. Bulk powders were usually charged 6d. to 8d. per oz. Confections were frequently ordered, and were charged 2d. to 3d. per oz. Liniments were charged 4d. to 5d. per oz., and tincture of soap and opium was evidently a favourite. Hair-pomades and nutritive oils were frequently ordered. Proprietary medicines were ordered, but not frequently, the best known being Hoffmann's anodyne, Battley's solution of opium, Squire's liquor taraxaci, Henry's solution, and Murray's magnesia. Mr. Sutherland contrasted these with to-day, when proprietaries

were being so much prescribed, and said he had made a careful examination of 250 recent prescriptions, and found that 45 per cent. were proprietary medicines, 40 per cent. B.P. preparations, and 15 per cent. chemicals or special preparations of chemicals. Concluding, he urged that the time had come to unite their scattered forces, to concentrate their efforts in protecting and dispelling grievances that exist, and to support every effort to improve their craft, which was a noble and honourable one. The future was in the hands of the younger members, and to them they looked to worthily uphold and dignify the pharmaceutical profession.

Edinburgh Chemists', Assistants', and Apprentices Association.

THE second meeting of the session was held in the Pharmaceutical Society's House, 36 York Place, Edinburgh, on November 10, with Mr. Edward J. Brown, Ph.C. (President), in the chair. Mr. David Murray presented a paper on

THE VANISHING FOUNDATIONS OF CHEMISTRY, of which the following is an abstract:

"The problem which chemistry took upon itself to solve is the ultimate nature of matter, and as a science it exists essentially on a material basis. The atomic theory of matter seemed to bring to chemists the basis so long looked for. Clerk-Maxwell considered atoms to be the foundation stones of the science, against which all the forces of the universe might assail in vain. Recently it has been stated that 'the whole structure of modern chemistry had been swept at a blow' by the discovery of radio-activity. This conclusion is a grave error, for the atom means much more than the idea of indivisibility, it being the smallest particle of matter which enters into chemical combinations without changing its identity. It matters not whether the atom can be split up into something else or not. On such a basis chemistry can rest secure, for its concern is not with the ultimate nature of matter, but with the reactions of one kind of matter upon another. Analysis has accomplished its object, and synthesis is the work of the new chemistry. The atom is believed to be built up of particles of negative electricity known as electrons organised within a sphere of positive electricity. The organisation of the electrons into systems is the peculiar characteristic which explains most of the properties of the different chemical elements. The systems are not produced by the uniform addition of electrons, but by geometrical configurations. The addition of one electron will not alter the nature of the atom, but the addition of a certain number necessitates the rearrangement of the whole system to produce a new geometrical configuration, and the nature of the atom is changed—it becomes a different element. Likewise an explanation of valency, chemical affinity, and the periodic law is provided. As the atom can add or lose one, two, or three electrons without changing the system, so it becomes mono-, di-, or trivalent. Similarly, by assuming a certain configuration within the atoms being electrically unstable or electro-positive, add another electron, and it becomes very unstable, and then at a certain point a totally new arrangement is reached, and the atom becomes very stable or electro-negative. In the combination of elements the positive element can lose one electron without changing, and the negative element can acquire one. The periodic law may also be explained on this hypothesis. The terms stable and unstable must be taken as relative only. The perfectly stable atom would be eternal, while the unstable would have no existence at all. It must be believed that every atom is gradually losing energy, and that after a time, almost infinite it may be, a critical point is reached at which rearrangement is necessary. Here in a nutshell is the explanation of the break-up of the radium atom. It is on its death-bed that the radium atom gives off the energy for which it is so famous.

"The root question of chemistry is the nature of matter, and the answer of contemporary science is that matter is not an ultimate at all, but is a form of electrical phenomenon. Mr. A. J. Balfour stated before the British Association, 'Matter has been not merely explained, but explained away.' Is it too much to say that the last term in the dematerialisation of matter is the ether? Imagine, then, the electrons as simply very minute vortex rings formed in the substance of the ether. Imagine that all matter is built up of these minute vortex rings in various quantities and in different combinations, forming thereby the various chemical elements, and you have the modern theory of matter known as the continuous fluid theory. In the words of Sir J. J. Thomson, 'All mass is mass of the ether. All momentum, momentum of the ether; all kinetic energy, kinetic energy of the ether.' How, then, can this inconceivably rare

medium ever come to possess the apparent solidity of our physical objects? The answer is, 'Because of its inconceivably rapid motion.' If matter is thus an evolved product, must not the reverse process some day be fully completed, and all matter return to its primordial state of ether, or, in the words of Sir William Crookes, 'The hour hand of eternity will have completed one revolution.'"

Mr. J. Rutherford Hill followed with an address on "The History of Poisons and Pharmacy Legislation." In this he commented on the sections of the Act one by one, and in referring to Section 4 said:

"There is no reason to suppose that the operation of this section will have any other effect than that of providing for students a definite course of study which would be easier, more economical, and eminently more satisfactory. The reciprocity part of the section would enable the Council to do certain things, but its power is very strictly limited by the requirement that the Council must be in possession of evidence of sufficient skill and knowledge to justify registration. There is no suggestion that the Council would be at liberty, and much less that it would be bound, to place upon the register the name of any individual who has not attained a standard of skill and knowledge substantially equal to that of the minor examination."

The reading of the paper and the address were followed by an interesting discussion and cordial thanks to Mr. Murray and Mr. Rutherford Hill.

North Staffordshire Chemists' Association.

A MEETING was held at the Roebuck Hotel, Stoke-on-Trent, on November 11, Mr. Weston Poole (President) in the chair. Messrs. Edmund Jones, T. Bentley (Hon. Secretary), W. H. Kemp (Treasurer), F. C. Burrell, E. Corner, J. B. Blades, E. Mellor, W. Tipper, and W. D. Edge were also present. Mr. J. Averill, J.P., of Stafford, wrote thanking the Association for its letter of congratulation on the appointment of his nephew to a bishopric in New Zealand. He also complimented Mr. Weston Poole upon his appointment as President.

CHEMISTS AND THEIR SCALES.—Mr. J. B. Blades opened a discussion on this subject. In the course of his remarks he traversed the ground which has already been covered by the *C. & D.* in its editorial and other articles. He was thanked for his remarks, and Messrs. Corner, Tipper, Mellor, E. Jones, and others discussed the matter. In the course of his remarks Mr. Mellor said he had found his French scales stick occasionally, so he got a pair of new-pattern scales, which cost 85s.; and while they were somewhat awkward on the counter, they weighed so accurately that he did not think even a careless weigher could go wrong more than a few grains. With constant use of such scales, he was inclined to think there would be considerable saving to the chemist. A good deal was said during the discussion as to chemists being distinguished from grocers who sell similar articles, and, in winding up the debate, the President said he did not think it was good policy for chemists to shout too much about the new regulations, and he pointed out that for rough purposes chemists could use scales which were even less sensitive than Class C. If the inspectors saw that they had up-to-date scales for dispensing and for fine purposes, he did not think they would take undue notice of the scales used for linseed and heavy goods, providing they were not kept in a place where they could ordinarily be used for weighing fine chemicals.

PARLIAMENTARY REPRESENTATION.—In accordance with notice, Mr. Edmund Jones moved that the Association give a subscription of two guineas to the Parliamentary Representation Fund for the support of Mr. Glyn-Jones.—Mr. Mellor seconded. Mr. Tipper and Mr. Corner also spoke, and the President moved as an amendment that one guinea be given as a first donation, it being understood that a further sum might be sent later on if the funds of the Association permitted.—Mr. Tipper seconded the amendment, which, on a division, was carried by the casting vote of the President.

THE FEDERATION OF LOCAL ASSOCIATIONS.—Mr. Edmund Jones explained at considerable length the proposed annexation of the Federation of Local Pharmaceutical Associations by the British Pharmaceutical Conference. If amalgamation with the B.P.C. came about, as suggested in the resolution adopted by the Federation at Newcastle this year, the supporters of this course said that they could have

a Chairman of their Commercial Section, and that they could arrange their meetings simultaneously with the Science Section. He contended that if this were done more interest would be taken in the Conference, and probably larger numbers would join. He had been in communication with Mr. E. S. Peck, the senior Hon. Secretary of the Conference, and it had been arranged that a meeting representing the B.P.C. and the Federation should take place on December 1. In conclusion, Mr. Jones pointed out that he had had fully two years of the secretaryship of the Federation, and he declared that, unless adequate clerical assistance were afforded him, he could not pretend to go on sending out hundreds of letters, and he defied any other man who had his own business to look after to do so either.—The President did not think the Plymouth scheme was workable at all. The Edinburgh scheme also required very careful consideration. The B.P.C., he added, is a body of standing in the scientific world, and it would be a pity to do anything to jeopardise that position. Messrs. Corner and Mellor also spoke, and Mr. Jones mentioned in the course of his reply that there is a field for the work of the Federation—for instance, at the present time, in arranging for discussion on the question whether it is policy to fight the adverse decision on the use of the word "pharmacy." If the Federation only offered prominent and representative pharmacists an opportunity for meeting together once a year and discussing matters of interest to the trade, and in addition collected opinion on various useful subjects, he thought the paltry sum of 20% now subscribed to the funds was not thrown away. The discussions at the B.P.C. are now usually carried on by the scientific pharmacists only, while the ordinary members take a look round the town or perhaps play a game of billiards.—Mr. Bentley said he had been to the B.P.C., and he could fully bear out the last observation of Mr. Jones.—Mr. Jones added that the most interesting discussions on trade matters during Conference week took place when little coteries get together at their hotels and talk over a pipe.—The President remarked with some warmth that, if this were the case, it only showed that pharmacists are running their businesses purely as a trade, and not as scientific men. This is what the public, too, are finding out, and it is also why they have nowadays so much opposition. He should be very sorry to think that his business was simply and purely a matter of buying and selling. If what Mr. Jones said were true, then he could only say that it was a very sad thing.—Mr. Blades: You can't live on science at the present day.—The President: Yes, you can.—Mr. Tipper: I have been trying to do it, and I can't. (Laughter.)—No resolution was put to the meeting.

It was announced that at the next meeting Mr. Mellor will read a paper on the organisation of the forces of pharmacy.

Festivities.

City Mills Cricket Club.

THE fiftieth dinner of this club (Messrs. Howard & Sons, Ltd.) was held on the evening of November 13 at the Langthorne Rooms, Stratford, under the presidency of Mr. David Howard, J.P. During the evening Mr. W. H. Murray, on behalf of the members of the club, presented the Chairman with a handsome silver rose-bowl and a framed address, which came as a great surprise to Mr. Howard, who made a feeling response. Others present at a most enjoyable function included Mr. Geoffrey E. Howard and Mr. Bernard F. Howard.

Two Towns Meet at Supper.

At the Hôtel Métropole, Dover, on Thursday evening, November 11, the chemists of Dover and several from Folkestone met at the supper-table with Mr. A. P. Chater, of the Pharmaceutical Society's secretarial staff, as their guest, Mr. J. F. Brown presiding. There were also present Messrs. Ewell, sen. (Secretary), Cuff, Kay, Forster, Hambrook, Craig, and Lewis Thompson (Dover), Morris, Stainer, Ransford, Kay, Curtis, and Mallison. After supper, Mr. Brown proposed the toast of the Society, and Mr. Cuff briefly responded. Mr. Chater made an able appeal on behalf of the Parliamentary Fund, and spoke

generally on pharmaceutical politics. Mr. Forster proposed the toast of the Folkestone members, which was responded to, and a pleasant but short evening terminated at 10.40 p.m.

A Johnsonian Dinner.

As mentioned in the *C. & D.* last week, Messrs. Fassett & Johnson, on the occasion of the formal opening of their new premises at 86 Clerkenwell Road, on Thursday, November 11, gave a staff dinner at the Criterion Restaurant, when sixty-five members of the staff were present. Mr. L. O. Johnson was in the chair, and among the visitors were Mr. J. L. Ward (managing director of the Angier Chemical Co., Ltd.), Mr. F. M. Fick (Parke, Davis & Co.), Mr. R. Ralston Balch (Scott & Bowne, Ltd.), and Mr. F. Johnson. The toast of "Messrs. Fassett & Johnson" was given by Mr. Balch in the elegant terms and eloquent manner for which he is noted—*e.g.*, "Under such a man as Mr. Johnson you appreciate that there is something in business over and above daily work. That is what Mr. Johnson is able to teach you, because he has found that the sweetest flowers that bloom are those that bloom over the business of everyday life. It is his inspiration—the inspiration of his leadership—that has enabled you to become valued assets of the house, and to find happiness for yourselves and good for others in doing that work." Mr. Ward also spoke, mentioning that he has been associated with Mr. Johnson and the staff for seventeen years. Mr. Johnson replied in a few sentences; then gave the toast of "The Staff," which was responded to by Mr. Hunting (the manager), Mr. Fincken, Mr. Orange, and Mr. Arthur Smith. The last-named was one of the first to join the firm, and in concluding his speech presented Mr. Johnson, on behalf of the staff, with a beautiful cut crystal table ornament, which Mr. Johnson acknowledged with emotion. During the evening music was rendered by Miss Jessie Jolly, Mr. Wallis Arthur, Mr. Fred Wilson, Mr. Ernest Cherry, Mr. Herbert J. Collings, and Mr. J. Hugh Outner.

Whist.

The Bolton Chemists' Association had a whist-drive at Hainers Hotel, Newport Street, on November 10, when Mrs. Percy Knott won the ladies' first prize, Mr. Herbert Knott the gentlemen's first prize; Mrs. Johnson the ladies' lowest, and Messrs. Mitchell and Haworth the gentlemen's lowest.

The West Ham Association of Pharmacists had their third annual whist-party at Earls Hall, Forest Gate, on Thursday, November 11, when twenty-four games were played, with an interval after the twelfth for refreshments. Mr. Henry Soper (President) was the master of the ceremonies. The prize-winners were:—Ladies: 1 (set of cutlery), Miss A. E. Bodger; 2 (trinket-case), Mrs. J. Bolton; mystery prize (sugar sprinkler), Miss Phoebe C. Eastman. Gentlemen: 1 (travelling-rug), Mr. J. H. Matthews; 2 (inkstand), Mr. E. Vaughan Rippin; mystery prize (sovereign-purse), Mr. E. J. Raynor. For the gentlemen's second prize Mr. W. T. Johnson tied with Mr. Rippin. Miss Soper presented the prizes awarded.

INSTEAD of a smoking concert which the Newcastle-on-Tyne Pharmacists' Association has been accustomed to hold, the committee this year arranged a progressive whist party, which was held in Simpson's Continental Restaurant, Grainger Street, on Wednesday evening, November 10. About sixty members and ladies gathered, and play commenced at 7.30, Mr. C. E. Layne acting as M.C. At 9 o'clock refreshments were served in the upper room. By 10.40 twenty games had been played, and a count was made, when it was found that the prize-winners were:

Ladies.—1st, Miss B. Buckley (preserve dish); 2nd, Mrs. J. Elliott (case of hatpins and blouse-buttons); booby, Mrs. McClumpha (sewing companion, "Votes for women," in form of suffragette).

Gentlemen.—1st, Mr. W. Wyatt (salad bowl); 2nd, Mr. J. Hall Forster (case of vest-buttons); booby, Mr. R. Embleton (game counters and trays).

Miss Buckley presented the prizes, and on the proposition of Mr. Hall Forster was thanked. A hearty vote of thanks was accorded to Mr. Layne, on the motion of Mr. J. Park. At the next meeting of the Association, on December 1, Mr. T. M. Clague will give a lantern lecture.

West-end Pharmacists Dine.

THE annual dinner of the Western Pharmacists' Association was held at the Restaurant Frascati, Oxford Street, London, W., on November 17. The President (Mr. J. T. Barrett) was in the chair, and was supported by a company of about a hundred persons. These included Dr. Barbour, Dr. J. MacDonald Brown, Dr. Corbett Fletcher, Professor W. E. Dixon, Dr. G. Herschell, Dr. J. MacGregor, Dr. W. H. Martindale, Dr. Valentine Miller, Mr. W. Lloyd, F.R.C.S., Mr. J. F. Harrington (President of the Pharmaceutical Society), Messrs. C. B. Allen, J. H. Cuff, E. T. Neathercoat, E. White (Councillors of the Pharmaceutical Society), Mr. R. Bremridge (Secretary of the Pharmaceutical Society) and his assistant Mr. A. J. Chater, Messrs. F. L. K. Loxley and F. W. Crossley-Holland (President and Vice-President of the Chemists' Assistants' Association), Mr. C. T. Allen (Secretary of the Western Chemists' Association), Mr. A. Arrowsmith (Apollinaris Co.), Mr. F. W. Ashton (Idris & Co.), Mr. A. B. Britton, Mr. C. Brooks (American Drug-stores), Mr. L. Cooper (Phillips' Magnesia), Mr. C. H. Dixon, Mr. T. Ford, Mr. W. F. Gulliver, Mr. C. A. Hill (British Drug Houses), Messrs. E. Sanger, S. Jamieson, and C. S. Present (Sangers), Mr. H. J. Kluge, Mr. A. Latreille, Mr. T. Maben (Parke, Davis & Co.), Mr. J. D. Marshall (John Bell & Croydon), Mr. C. W. Martin (Maws), Mr. S. J. Massey (Meggeson & Co.), Mr. Filmer de Morgan (W. Martindale), Mr. H. R. Procter, Mr. F. Rogers (Oxford Street, W.), Mr. J. Royle, Mr. N. H. Schollar, Mr. E. J. Shefford, L.D.S., Mr. J. C. Shenstone, Mr. F. U. Stamp, Mr. R. L. Whigham, and Messrs. H. C. Wright and T. R. Williams (Wright, Layman & Umney). The dinner was a pleasant function, the President taking wine with different sections of the company at intervals. The toast-list and musical programme were long, but rather smartly managed, so that the proceedings were not unduly lengthened. Mr. H. R. Procter (Vice-President) proposed the toast of

THE PHARMACEUTICAL SOCIETY,

and in the course of his speech expressed the opinion that the Poisons and Pharmacy Act of 1908 is more beneficial to chemists and the public than the 1868 Act, this notwithstanding that the horizon is somewhat cloudy at the moment. He deprecated criticism of the Society, and then proceeded to advocate the claims of the Pharmaceutical Defence Union, which, according to the speaker, is needed to back up the work of the parent body. Mr. J. F. Harrington (President of the Pharmaceutical Society) replied, and after recalling the fact that he had served the Association as President for two years, recounted some of the grave questions with which the Council of the Pharmaceutical Society is trying to grapple. The Society had been much misled in the way poison-licences have been granted; but as these are granted locally it is chemists in the neighbourhood who should oppose them and endeavour to prove to the local authorities that the needs of the neighbourhood in the supply of agricultural poisons are well met. It will be the duty of the Society to see that the conditions and regulations imposed on the licence-holders are well carried out, and the Council has the matter of immediate action in view, but the details he (the speaker) was not able to make public. Regarding the curriculum which is foreshadowed in the new Act, a committee is actively engaged in drawing it up; but the difficulty is to establish a curriculum and at the same time find an easy way of putting people on the register who have never undergone a curriculum. Referring to the recent meeting of the Apothecaries' Assistants' Association, he said it is marvellous that so many are desirous of joining a Society which, according to the Clerk of the Apothecaries Company, they so utterly despise. The Council does not intend to lower the standard of education, and will not in any way agree to such a course. If others wish to join the Society they must bring their education up to the standard. The President then said a few words on the question of scales, and, referring to the "Pharmacy" case, said it is not too late for an appeal to be entered against the High Court judgment. This is being considered most seriously by the Council. A claim was then

put forward on behalf of the Pharmacists' Representation Committee and the President's Fund. Mr. Glyn-Jones, the candidate it is proposed to run, is an excellent man for the purpose: he knows the needs of the trade and how to help his fellow chemists. The President referred to the objections to Mr. Glyn-Jones, and, confessing laughingly that his (Mr. Glyn-Jones's) politics are "horrible," said that those who liked might earmark their contributions for a candidate of another political party. The other toasts were "The Medical Profession," proposed by the President of the Association, and replied to by Dr. Herschell; "The Western Pharmacists' Association," proposed by Dr. J. MacDonald Brown, and replied to by the President; and "The Visitors," proposed by Mr. W. F. Gulliver, and replied to by Professor W. E. Dixon. The last-named covered the field of pharmacology, and incidentally condemned all the lactic acid bacilli preparations at present on the market.

Agri-Horticultural Licences.

(Poisons and Pharmacy Act, Sec. 2.)

Notices of Application.

CAMBRIDGESHIRE.—Metcalfs Few, fruit-grower, Willingham.

Applications Granted.

KENT.—The County Council received two applications during the past quarter, of which one was granted.

WARWICKSHIRE.—The County Council considered several applications on November 9. The Council previously failed to come to a definite decision on the matter (*C. & D.*, July 31), and the matter was referred back to the Sanitary Committee for further consideration. The committee now recommended that licences be granted to the following applicants from Stratford-on-Avon: Messrs. J. Newland and Wm. Stidolph, 5-7 High Street, and Arthur Lacey, 40 High Street, ironmongers; J. Butcher, nurseryman, Warwick Road. Also an application from Geo. A. Ball (Hewitt & Co., Ltd., nurserymen), Solihull. Mr. Hollick, chemist and druggist, in moving the refusal of the applications, said he was quite sure that it was absolutely illegal to grant them, as the legitimate requirements of the public were already satisfied. The reasons given in committee for granting the licences were very funny. One gentleman said a preference ought not to be given to any particular business; another that chemists should confine themselves to selling pills and powders; a third stated that ironmongers knew more about horticultural and agricultural matters than chemists; while a fourth member, who was a magistrate, voted for applications being granted because ironmongers had previously sold the compounds. On a division the recommendation was carried by fifty votes to one.

The Week's Poisonings.

Six of the eleven fatalities recorded from poisoning during the week were by misadventure.—At Poyntzpass, co. Armagh, F. B. Small, wife of an auctioneer, drank a preparation containing *belladonna* in mistake for medicine, with fatal results.—A quantity of liniment containing *belladonna*, *aconite*, and *opium*, taken in mistake for stout, caused the death of Arthur Hobbs (55), of Bulwell. The liniment was supplied at the local hospital dispensary in a bottle bearing a label, but the householder where deceased lodged emptied some of the liniment into a stout-bottle previous to obtaining a further supply.—A *belladonna* and *aconite* liniment also caused the death of James Forrester (56), Hanley. Deceased, on awaking from sleep, took a teaspoonful of the liniment under the impression that it was his medicine. He died a few hours later.—A Monkstown woman accidentally poisoned herself by taking a tumblerful of *carbolic acid* in mistake for port.—A recently bereaved widow named Jane R. King (57) died in the Portsmouth Hospital from the effects of poison. Dr. Milne, the house surgeon, deposed at the inquest that deceased had swallowed about "7 oz." of *chlorodyne*.—The three-year-old daughter of a Denaby collier named Daniel J. Hawkins, died in the Fullerton Hospital as a result of accidental poisoning through drinking *chloroform*. An older brother found a bottle of the anæsthetic on the mantelpiece and drank some himself, and also gave some to his sister.—A Kensington jury found that Francis S. Anderton (42), artist, Holland Park Road, London, W., died by misadventure after inhaling *chloroform*. Mr. Frederick Hicks, an assistant to Gamble & Co., chemists, 74 Edwards Square, Kensington, W., proved the sale of 3 fl. oz. of *chloroform* to the deceased on October 20 who said he required it to clean his pictures. The bottle now

contained about $\frac{1}{2}$ dr. Evidence was given showing that deceased had used the *chloroform* in his work, and that on the afternoon before his death he rubbed some of it on his gums, stating that it was good for relieving neuralgia. Dr. Spilsbury said that death was due to suffocation, some regurgitated food having got into the trachea and larynx whilst deceased was sick from the effects of the *chloroform*, and completely blocked the air-passages.—*Laudanum* was the agent used for lethal purposes by a Glossop publican named Edward Taylor (42). The deceased drank fourpennyworth of the narcotic in whisky.—An unknown man committed suicide at Battersea, London, S.W., by taking *oxalic acid*.—The suicidal death of Henry C. Grant (64), Taunton, was caused by *potassium bichromate*.—*Potassium cyanide*, self-administered, caused the death of J. C. Tallack, head gardener at Shipley Hall, Derby.

Trade Notes.

THE Hutchinson Co. have made considerable extensions to their London warehouse at 70 Basinghall Street, E.C. This month the company celebrates the diamond jubilee of the business.

SUNDRIES LIST.—Messrs. Ayrton, Saunders & Co., Ltd., Liverpool, have issued a supplementary list of sundries adapted for winter trade. Particulars are given of such things as body-belts, ball-room floor gloss, bronchitis kettles, and hot-water bottles, which makes the list a useful reminder of the goods which sell at this time of the year.

MESSRS. POTTER & CLARKE, LTD., of 60-64 Artillery Lane, London, E., have removed their Manchester branch to 24 Luna Street, Great Ancoats. The new warehouse is nearly three times as large as the old premises, and possesses modern conveniences which will facilitate the speedy execution of orders from the Northern districts. The Manchester telephone number is "Central, 7260."

GUAIACOSE.—This product of the Bayer Co., 19 St. Dunstan's Hill, E.C., to which reference was made in the *C. & D.*, October 3, 1908, p. 543, is a 5-per-cent. solution of calcium guaiacol sulphonate in liquid somatose, and is prescribed for pulmonary disorders. A contributor to "The Hospital" recently mentioned two cases of phthisis which improved under this new remedy, further particulars of which may be obtained from the company on application.

EUCALYPTUS OIL.—Messrs. Herbert Hymans & Co., 13 and 14 Trinity Square, London, E.C., have submitted to us samples of fresh consignments of eucalyptus oil which have just landed. They include a gold coloured *E. Globulus* oil of sweet odour, which contains 60 per cent. of eucalyptol, and oils which meet B.P. requirements, and contain 50-55, 60, and 70 per cent. respectively of eucalyptol. Messrs. Hymans supply the oil in original packages only to wholesale houses. They will submit samples and prices to such buyers on application.

CHEMISTS' HANDBILLS.—Messrs. Harrison & Waide, Darlington Street, Leeds, have a new series of attractive handbills for chemists' specialities, each being printed in colour with a striking picture of a youngster. Chemical food, infants' food, cough mixture, and cod-liver oil emulsion are the subjects. Specimens will be sent to any of our subscribers on application. They should at the same time ask for specimens of the codfish which advertises cod-liver oil, and the tooth that does the same for neuralgia and similar specialities.

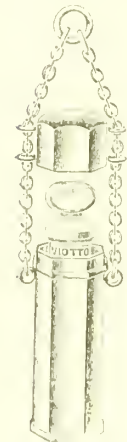
THE SOUTH AMERICAN PRICE-LIST of Messrs. Evans Sone Lescher & Webb, Ltd., London and Liverpool, which is printed in Spanish, is a standing testimony to the volume of their South American business. The list is a well-finished volume of nearly 400 pages (11 in. x 8½ in.) in stout red cloth covers. The sections are as follows: Evans's chemicals and special products, 86 pages; druggists' sundries, 133; proprietary articles, 20; photographic goods, 16; chop fittings, 32; advertisement section, 86. The various sections are easily identified, since they are distinguished from one another by being printed on different coloured paper. A hanging loop completes the utility of the list.

ELECTRICAL NOVELTIES.—Messrs. F. Darton & Co., Clerkenwell Optical Works, 142 St. John Street, London, E.C., have produced an interesting list of electrical novelties such as are suitable for Christmas trade. In an age

when science teaching in schools is almost universal, the demand for scientific toys is increasing, and there is nothing so popular with youngsters as a Christmas present of an electric motor, lamp, or bell. Particulars of these are given in the list with many other novelties, the illustrations enabling the purchaser to get a correct idea of the class of goods referred to. The list may be had for the asking, and if applied for at once will enable an order to be made up and the goods stocked in time for the present-giving season which is close upon us.

FULFORD POWDER.—One of the smartest novelties in toilet-powder has just been put on the market by Messrs. C. E. Fulford, Ltd., Greek Street, Leeds. We mentioned it on November 6, but had not then seen the article. The powder is put up in two forms—(1) a tin container with puff, and (2) a plain box for refilling the container. The latter is a decorated tin, which is filled from the bottom, where there is a lever-lid; near the top is a perforated diaphragm, which forms an individual box with lid. In this box there is a puff, and a shake of the tin throws sufficient powder on the puff to use for one dressing. It is a clever idea, and the whole get-up is so beautiful and convenient that the novelty is sure to become popular.

A RICH CHRISTMAS GIFT is provided by Messrs. H. Bronnley & Co., Ltd., Acton Vale, London, W., in their silver chatelaine case (here figured), containing a bottle of "C.C." alcohol-free perfume. The case is made of solid silver, gilt inside, and the lid lifts off as shown without fear of loss. The case, with bottle of perfume, retails at 15s. and costs the retailer 10s. net. Chemists who are authorised to sell silver goods will find it a ready seller, especially to those who like a first-class perfume in the most concentrated form available. Since the company introduced this series of perfumes (there are several odours, including violet and the firm's special odours) they have advertised them well in Society papers, and a steady demand for them has been established.



"THE BEST METHOD OF BOTTLE-CAPPING" is the title of a booklet which has just been published by the Viscose Development Co., Ltd., 3 New Court, Carey Street, London, W.C. If for nothing else than seeing a fine example of up-to-date printing, chemists should get a copy of it.

TERPENELESS AND SESQUITERPENELESS OILS.—Messrs. Domeier & Co. have forwarded us a copy of a pamphlet in German on "Terpeneless and Sesquiterpeneless Oils," written by Dr. E. Boecker, chemist to Messrs. E. Sachsse & Co., Leipzig. The eighty pages deal first with terpeneless oil generally, then with their special physical properties and tests, and finally in detail with fifty-seven terpeneless essential oils. The tables included in each monograph, in addition to the data regarding the terpeneless oil, give those of the natural oil and by-product for comparison. Another booklet issued by Messrs. Sachsse & Co. shows the solubilities of terpeneless and sesquiterpeneless oils in distilled water and different strengths of alcohol up to 96 per cent. (by successive increases in strength of 5 per cent.). The notes appended to the tables are printed in English, German, and French.

Glycerin in Fluid Extracts.

At the annual meeting of German Natural Scientists and Physicians, held in Salzburg, Dr. R. Firbas (Vienna) communicated results of experiments on the use of glycerin in the preparation of fluid extracts. A number of fluid extracts of the Austrian Pharmacopœia in which glycerin is used were compared with similar extracts made without glycerin. The conclusions arrived at were:

The alkaloidal or glucosidal content respectively of ext. cinchon. liq., ext. kolæ liq., ext. condurango liq., ext. hydrastis liq., and ext. ergotæ liq. remains the same whether glycerin is used or not in their preparation.

The alkaloidal or glucosidal content diminishes relatively quicker in fluid extracts prepared without glycerin than in extracts containing glycerin, being particularly appreciable

in the case of ext. cinchon. liq. and ext. kolæ liq., and to a less degree in ext. condurango liq., but not at all with ext. hydrastis liq.

The extractive naturally varies according to whether the menstruum is free from or contains glycerin. Decreases in extractive matter occur on storage more rapidly than in the case of glycerin-free extracts, notably with ext. cinchon. liq. and ext. kolæ liq., but not so markedly with ext. condurango, while in ext. ergotæ liq. the loss is not appreciable.

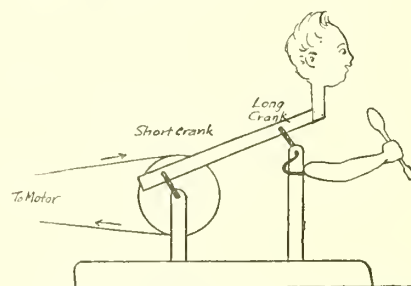
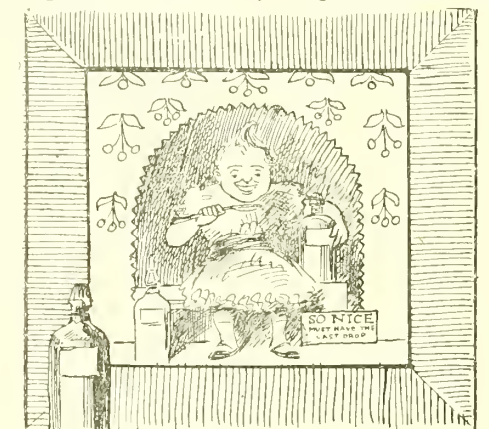
The variation in alkaloidal or glucosidal content and in dry extractive of fluid extracts prepared with glycerin is so slight after three years' storage as to be negligible, and the loss in extracts prepared without glycerin is most marked during the first year.

He concludes, therefore, that the addition of glycerin is essential in the case of ext. cinchonæ liq. and kolæ liq., and its use is also advisable in preparing ext. condurango liq. and ext. hydrastis liq., but it may be omitted from ext. ergotæ liq.

Chemists' Windows.

An Emulsion-display.

After giving mechanical and other window-shows a judicious "rest," I have produced a pretty little exhibition advertising a Children's Cherry Cough Emulsion. A green



cardboard arch enclosed by a gilt frame of corrugated paper is festooned with "cherries"—naphthaline "marbles" into which wires were melted and then dipped into cerise or yellow enamel—most luscious to see and as veridical as the produce of George Washington's celebrated specimen of Cerasus! Within the arch sits a rosy-faced youngster (lace-edged pinafore, etc.) apparently conveying a teaspoonful of the mixture to his lips at frequent intervals (real silver egg-spoon with a dash of cerise varnish in the bowl). Inscription: "So nice! must have the last drop!" This is operated by a long and short crank, but the effect is heightened by the baby's head being mounted on the reciprocating connecting-rod, so that at every (geared down) revolution of the smaller crank the figure appears to rise and lean forward while the spoon advances to the open lips. The cherry motif is carried out by a display of half-a-dozen 10-oz. "French rounds" containing a cerise fluid with richly tinted tooth-paste labels—in which "tooth" is covered and "paste" is altered to "taste." The whole is a very pleasing harmony of ruby and green.—E. DANGERFIELD.

Trade Report.

NOTICE TO BUYERS.—The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers stock the goods. Qualities of drugs and oils vary greatly, and higher prices are commanded by selected qualities even in bulk quantities. It would be unreasonable for retail buyers to expect to get small quantities at anything like the prices here quoted.

42 Cannon Street, E.C., November 18.

THE week under review has not brought much to the surface in the way of price alterations, and business in chemicals and drugs is by no means so brisk as it should be at this period. The affairs of a well-known firm of chemical merchants and agents, alluded to on another page, continue to absorb attention on 'Change and elsewhere, but it is not anticipated that market-values of products dealt in by them will be affected. The makers of ammonia-alkali announce a reduction of 10s. per ton for next year's delivery on contract, this being about the only feature of the chemical-market. Ammonia sulphate is very quiet. Caustic soda remains firm, the higher strengths being somewhat scarce. Hyposulphite of soda tends firmer. Among drugs, a feature is the easier all-round tone in opium, the opinion prevailing that the recent sharp advance has been "overdone." There has, of course, been no collapse in prices, but if buyers at primary sources continue to abstain as they have done this week then a sagging tendency will probably ensue. This feeling is not so far reflected in opium alkaloids. Belladonna, Russian cantharides, and lycopodium are all quoted at high prices. Persian galls are steady, and Norwegian cod-liver oil tends firmer. New saffron is firm, and indications still point to a small crop. Santonin continues scarce, the monopoly not offering. Tragacanth has met a good demand, and some qualities are higher. Menthol and Japanese peppermint oil are both dearer to arrive as the result of speculative demand. Shellac at auction was 3s. to 4s. dearer for second orange, and button was firmer; while at the periodical bark-auction an insignificant quantity offered and partly sold, the unit being unaltered. There is more doing in new lemon oil at steady rates. Bergamot is quiet, but fine quality is likely to be dear this season. Castor oil is steady; and crop reports in regard to olive oil are on the whole favourable. The note on this product should be carefully read by buyers. The devastation in the West Indies has affected produce such as honey, pimento, etc. The changes have been as under:

Higher	Firmer	Easier	Lower
Asafetida Pimento Quince seed Shellac Soy	Cardamoms Cocoanut oil Copper sulphate Honey Hyposulphite of soda Menthol Senna pods Tragacanth	Lime-juice Opium Rhubarb	Alkali pure (58%) for 1910

Cablegram.

NEW YORK, November 18.—Business is of fair dimensions in drugs. A further advance in opium has brought the quotation for single cases of druggists to \$6 per lb. Damiana-leaves are higher at 27c. and Peru balsam also at \$1.50. Podophyllum root is firm at 8½c. Cascara sagrada and Wayne County peppermint oil are unchanged. Copaiba

is steady at 40c. for Central and South American. Canada balsam is quiet at \$5.50 per gal.

London Markets.

AMMONIA ALKALI.—The price of soda ash, guaranteed 55 per cent. pure, for next year's delivery for the home trade in contract quantities has been reduced by the English makers by about 10s. per ton, and the spot quotation will be 4l. 12s. 6d. per ton in 2 cwt. bags ex rails London. It cannot be emphasised too strongly that the reduction does not apply to this year's contracts. Export prices are unchanged.

BELLADONNA ROOT.—Present indications point to the foreign crop being small this season, as instanced by the present high quotation of 52s. 6d. per cwt. c.i.f.

CALUMBA continues scarce; for shipment from the Continent, 29s. c.i.f. is quoted for good natural, and 19s. for ordinary.

CAMPHOR (REFINED).—The arrival market continues firm, with Japanese ¼-oz. tablets offering at 1s. 7½d. for January-February shipment, and 2½-lb. slabs at 1s. 6¾d. to 1s. 7d. c.i.f. Sellers on the spot quote slabs at 1s. 6d.

CANTHARIDES.—High prices continue to be asked for Russian in view of new crop scarcity. Agents' prices vary somewhat at from 3s. 1d. to 3s. 3d. per lb. c.i.f. Thirty cases (probably Chinese) have arrived from Hamburg.

CASCARA SAGRADA.—The *Teucer* has brought 737 sacks from Tacoma to Liverpool.

CINCHONA.—At the monthly auction in London on Tuesday the supply consisted of 194 packages, comprising 134 East Indian, of which 58 sold; and 50 packages Java, of which only five sold. The total weight was practically 45,000 lb., of which one-third (15,454 lb.) found buyers at the unaltered unit of 2½d. per lb. The quinine content was about 25,000 oz. sulphate. The prices paid were as follows: EAST INDIAN *Succirubra* renewed shavings 3½d., stem chips 2d., and natural ditto 1½d. to 2½d. JAVA hybrid branch 2½d.; 45 bales crushed *Ledgeriana* branch were bought in at 3½d., a bid of 2½d. being refused; 64 bales *Calisaya* had been advertised for auction, but were withdrawn previous to the auction owing to the low unit value. The shipments from Java during the first half of November amount to 538,000 Amst. lb., against 685,000 Amst. lb. in 1908 and 722,000 Amst. lb. in 1907. The auction to be held at Amsterdam on December 9 will consist of 9,464 packages *Ledgeriana* and hybrid, 1,457 packages *Succirubra*, 105 packages *Robusta* and *Schuhkraft*, and 386 packages Java coca-leaves.

COCA-LEAVES.—A lot of 54 bales *Truxillo* has arrived in Hamburg (testing about 75 per cent. alkaloids), for which 8d. to 8½d. per lb. c.i.f. is quoted as to quantity. In the drug-auction 8 bales of ordinary broken *Truxillo* were held at 10d. per lb.

COPPER SULPHATE remains firm, Liverpool brands offering for prompt delivery at 18l. 12s. 6d. to 18l. 15s. and January-April at 19l. 12s. 6d.

GALLS.—Persian blue are steady with sales in quantity at up to 64s. for good, and for green 55s. has been paid on the spot. No business is reported for shipment owing to values being above buyers' ideas. In new crop China galls business has been done at 42s. c.i.f. for December-January shipment.

GLYCERIN remains very firm at the last official advance. The Convention quotation in Germany for double distilled has been advanced by 100m., or, say, 5l. per ton, which makes values about 7s. to 8s. above the British parity. Dynamite glycerin has also advanced on the Continent to the equivalent of 82l., as compared with the British quotation of about 80l.

GUM ARABIC.—Bushire so-called insoluble gum is firm, as Mohamerah and bold-picked amber are scarce and wanted; ordinary Bushire sorts are plentiful, offering at from 15s. to 17s. per cwt. Twenty bags of siftings sold in the drug auction at 7s. 6d. without reserve; 20 bales of small yellow and amber Soudan sorts were offered at 34s., and for a case of fair Trieste picked grains the limit was 87s. 6d. Five packages of Morocco, mostly sea-damaged, sold at from 10s. 6d. to 16s.

JALAP is being offered from the Continent on "Mexican test," which in the light of previous experience has been found to be fallacious, only two-thirds of the quantity of resin certified having been found on analysis on this side—i.e., 8 per cent. instead of 12 per cent.

LIQUORICE-ROOT.—Decorticated Russian is quoted 32s. to 33s. per cwt., c.i.f., as to quantity.

LYCOPORIUM of treble-sifted quality, which is reported to be in short supply, is quoted at 1s. 7d. per lb. c.i.f.

MENTHOL.—Firm. For arrival sales of Kobayashi for January-February shipment have been made at 8s. to 8s. 1½d., and of Suzuki, for December-February shipment, at 8s. to 8s. 1½d. c.i.f. Spot sales have also been made at 8s. 3d. for Kobayashi.

OIL, BERGAMOT.—Quiet, with good brands offering at 16s. c.i.f.

OIL, COD-LIVER.—The tone of this market is towards firmer rates, and in several instances sales of good Norwegian brands have been made at slightly under 69s. 6d., c.i.f. terms, with most agents quoting 69s. 6d. to 70s. c.i.f. An advice from Bergen dated November 13 reports an improved demand, and for finest non-freezing quality 69s. per barrel f.o.r. Hull is quoted. Our Bergen correspondent writes on November 15 that the market is firm but unaltered. Finest non-congealing Lofoten is worth 70s. per barrel c.i.f., and the lower prices lately mentioned certainly refer to inferior qualities. The exports from Bergen up to date amount to 14,650 barrels, against 20,287 barrels at the same date of 1908.

OIL, LEMON.—There is a fair inquiry for the new crop for next year's delivery, most agents quoting 3s. to 3s. 3d. per lb. c.i.f.

OIL, OLIVE.—In view of the keen competition and low prices which are quoted for olive oil, we call the attention of buyers to the fact that certain merchants and shippers are offering what is sometimes known as "rectified" oil; and although it bears no comparison to genuine olive oil, yet, as it will pass the olive-oil test for purity, it is now actually being offered as and guaranteed genuine olive oil. In one instance this oil was offered as "genuine Spanish," but when the buyers found out its true character, and that it had not been shipped from Spain, but from Marseilles, it was rejected. Buyers should therefore be particularly careful to ascertain that the oil is shipped from the country of origin and of the quality purchased.

OIL, PEPPERMINT.—American tin oil continues quiet at unaltered prices. Japanee has, however, been in better demand at firmer prices, the sales including Kobayashi at 5s. 7½d. c.i.f. for November-December shipment and Suzuki at 5s. 6d. c.i.f. The latter brand has also been sold at 5s. 7d. c.i.f. for January-February and February-March.

OPUM.—The position as outlined last week has undergone no material change, but the tone all round shows an easier tendency. Business this week has been on a very small scale with a comparative absence of cables from primary markets, the fact remaining that business can be done on the spot at lower prices than those quoted in Smyrna and Constantinople. Buyers are consequently holding off, this indicating that they have either covered their needs and that their stocks are larger than may generally be supposed. The nominal spot quotation for good Turkey druggists is 18s., Malatia 17s. 6d., and Tokat up to 19s. Persian is also a shade weaker with sellers for prompt shipment at 17s. 6d., but no business is reported; on the spot 17s. 6d. to 17s. 9d. is quoted for 11 per cent.

A Smyrna correspondent writes on November 6 that the market has been very active, both consumers and speculators paying the higher prices asked by holders. The sales amount to 160 cases old and new "extra" Karabissar at from 161 piastres to 181 piastres, or from 17s. 5d. to 19s. 3d. per lb. c.i.f. European ports, of which 13 cases are for local speculation. The arrivals amounted to 1,660 cases, against 1,887 cases at the same date last year. Market closes very firmly with buyers. As American buyers have bought 133 cases against an order of 150 cases, the market is rising.

Writing on November 13, a Smyrna correspondent informs us that the sales of the week amounted to 80 cases for America at 175 piastres, or 19s., for old crop, and 180 piastres, or 19s. 6d., c.i.f. for new crop. The market closed firmly with buyers. The actual situation on the market has this advan-

tage on former "bull" movements—that whereas these were formerly based on conjecture and fictitious valuations, the actual situation to-day is clearly the result of the fact that after two consecutive unsatisfactory crops buyers now find themselves in presence of a third small crop, with exhausted stocks and quite insufficient to the consumption of the world. Arrivals amount to 1,692 cases, against 1,901 last year at the same date.

PIMENTO.—As a result of the cyclones in Jamaica, prices are higher with sales at up to 2½d. per lb. spot, but sellers now ask 2¾d. At auction 351 bags offered, and a few sold at 2½d. for mixed blacks.

QUICKSILVER continues very firm, first-hands quoting 9l. 15s. per bottle, at which only limited quantities are available. Second-hands do not offer.

QUININE.—At the auction of the Amsterdam Quinine Works, held on November 12, there was a good demand, and the 1,417½ kilos, Ed. II. sulphate (B.P.) offered were sold at an average price of 10.61fl. per kilo., against 10.47½fl. paid at the previous auction. The next auction will be held on November 26, and will also consist of 1,417½ kilos, Ed. II.

SAFFRON.—Prices remain firm in view of the short crop reports, with new Valentia offering at 33s. 6d. per lb. net for finest.

SANTONIN.—The uncertain position in regard to the fixing of an official price by the syndicate is likely to remain for some time, as there appears to be some difficulty in fixing up technical details, and the syndicate is not in a position to deliver. Meanwhile, only trifling quantities are available here at about 33s. 6d. per lb.

SHELLAC.—At auction on Tuesday 515 cases were offered, and 360 cases sold without reserve at an advance of from 3s. to 4s. on previous sale rates. Button was firmer and Garnet steady. Of Orange 246 cases offered, and practically all sold, including fine pale G at 88s.; good pale seconds, matted to free, 70s. to 72s.; blocky, 67s.; fair TN, 67s.; fair palish, 68s. to 69s.; blocky ditto, 61s. to 63s.; good bronze AB and BW, 68s. to 69s. Of Garnet 88 cases sold, including AC at 65s. to 67s., and common Ralli seconds 38s. to 39s. Of Button 171 cases offered, and 71 sold, including pure seconds, 80s. to 82s.; darker ditto, 78s.; pure dark, 67s. to 69s.; and hard palish No. 2 blocky, 58s. to 59s. Privately the market has been quiet, fair free TN Orange offering at 67s. to 68s., and January-February shipment at 67s. c.i.f.; for AC Garnet 65s. 6d. c.i.f. has been paid for March-April steamer. At the close prices are somewhat easier. Futures have been dull, the sales including March at 71s. 6d., and May 74s. to 71s. 6d.

SULPHUR.—Supplementing last week's statement (p. 762) in regard to the working of the Consorzio, we now learn that the stocks at the end of 1903 showed a further increase of 22,014 tons, and amounted to 618,459 tons. The shipments showed an increase for the first time for some years, being 375,000 tons, against 341,951 tons in 1907, but how far this is due to the acceptance of prices averaging probably 10 lire below the listed prices is not stated. It is thought that the Consorzio has done little to solve the outstanding difficulties of the position. The banks had to increase their credit, but there was considerable anxiety lest further extensions should be refused.

TRAGACANTH.—A very fair business has been done at full prices, especially for the better grades of Bagdad. Holders are now asking firmer rates as stocks are small. The sales include thick Persian in quantity up to 5l. 15s., and fourths at up to 8l. 10s. Prices for Bagdad grades are now from 15l. 10s. to 16l. for firsts, 13l. 10s. to 14l. 10s. for seconds, 11l. to 12l. 10s. for thirds, and 9l. to 10l. 10s. for fourths.

TURPENTINE on the week is slightly firmer, closing at 40s. 9d. to 41s. for American on the spot.

London Drug-auctions.

Mr. Andrew Devitt (Messrs. Lewis & Peat), at the conclusion of his sale, intimated that the directors of the London Commercial Sale-rooms proposed a slight alteration in the drug sale-room (No. 10) by the erection of a partition across the lower end. It appears that the rates obtained for the use of the rooms by the brokers had diminished in recent years, and the directors claimed that they could not afford to let them on the same terms as before. The suggested

alterations would, however, obviate any increase, and he (Mr. Devitt) thought the room would be more comfortable and its acoustic properties (which are now poor) improved.

Only first-hand drugs were offered at auction to-day, and by far the larger proportion was bought in, the demand being very flat. Cape aloes was bought in, being held for prices above buyers' ideas in view of the small stocks. Zanzibar in tins, in mostly liquid condition, sold cheaply. Extreme prices were paid for Persian Gulf asafetida, of which only part sold. Buchu-leaves were about steady, and not a single package of Sumatra benzoin changed hands, owing to the fact that no good quality was offered. Cardamoms appreciated fully 1d. per lb. on the bold and medium sizes. Turkey colocynth pulp and apple sold cheaply. Dragon's-blood is neglected. Gamboge is firm but quiet, while Jamaica honey, partly fermented, sold at irregular rates. Ipecacuanha was uninteresting, and the small business done was without material alteration. Privately higher prices have been paid. A parcel of eucalyptus oil sold below private rates, and for quince-seed a considerable advance was paid. Rhubarb has an easy tone, and for grey Jamaica sarsaparilla the prices paid were steady, but native is neglected. Timnevelly senna sold at very full to firmer prices in view of the quality offered. All descriptions of beeswax were quiet, prices being materially unaltered.

Offered Sold		Offered Sold	
Aconite (Jap.).....	20 ... 0	Lime-juice	15 ... 0
Aloes—		Mastich.....	2 ... 0
Cape	56 ... 5	Myrrh	14 ... 4
Socotrine (kegs) 10 ... 0		Nux vomica	255 ... 0
Zanzibar (bxs.) 47 ... 47		Oil—	
Ambergris (tin) ... 1 ... 0		aniseed	10 ... 0
Anise (Span.) ... 30 ... 0		cinnamon-leaf ...	14 ... 0
Apricot-kernels .. 3 ... 3		eucalyptus	141 ... 49
Asafetida	41 ... 22	lime	6 ... *6
Asphaltum	5 ... 0	orange (W.I.) ..	
Balsam (Peru) ... 11 ... 0		(cps.)	2 ... 2
Benzoin—		Olibanum	32 ... 0
Siam	2 ... 0	Orange-peel	42 ... 0
Sumatra	158 ... 0	Orris (Mog.)	10 ... 0
Buchu	5 ... 3	Quillaia	50 ... 0
Cannabis indica ... 14 ... 0		Quince-seed	5 ... 5
Cardamoms	249 ... 133	Rhubarb (China)...	30 ... 14
Chamomiles	19 ... 19	Rhubarb (Saigon) 6 ... 0	
Coca-leaves	8 ... 0	Sarsaparilla—	
Colocynth and pulp 12 ... 12		Grey Jamaica ...	41 ... 41
Cubebs	10 ... 0	Lima	6 ... 6
Cuttlefish-bone ... 20 ... 0		Native Jam. ...	10 ... 1
Dragon's-blood ... 8 ... 2		Seedlac	4 ... 4
Ergot	17 ... 0	Senega	3 ... 0
Fennel-seed (Le- vant)	12 ... 12	Senna and pods—	
Galangal	20 ... 0	Alex.	43 ... 0
Galls	10 ... 0	Timnevelly	450 ... 390
Gamboge	30 ... 0	Simauba	8 ... 0
Gum arabic	72 ... 25	Squill	57 ... 49
Honey—		Tragacanth	2 ... 2
Australian	16 ... 0	Wax (bees)—	
Honolulu	20 ... 0	Cape	1 ... 0
Jamaica	83 ... 71	East Indian	55 ... 10
Ipecacuanha—		Jamaica	12 ... 2
Cartagena	2 ... 1	Madagascar	123 ... 22
Matto Grosso ... 7 ... 2		Span-sh.	12 ... 0
Minas.....	1 ... 1	Zanzibar	43 ... 25
		Wax candleilla ...	3 ... 0

* Sold privately.

ACONITE.—The limit placed upon 20 bags of Japanese was 35s.

ALOE.—Cape was neglected, only 5 cases finding buyers, including one of dullish drossy Mossel Bay (20 per cent. tares) at 30s., fine hard bright was bought in at 35s., the highest bid being 31s. 6d. Four cases of Algoa Bay (actual shipping tares) sold at 29s. 6d. for fair hard bright, and broken ditto at 28s. 6d. The offerings to-day were said to represent all the first-hand stock, and for that reason importers had advanced their limits. Forty-four boxes of Zanzibar in tins in cases sold at 37s. 6d. per cwt. for soft and liquid, and for a case of inferior in skins in cases 12s. 6d. was paid.

APRICOT-KERNELS.—Three cases country-damaged sold at 34s.

ASAFETIDA.—A new lot of 41 cases Persian Gulf was offered, and partly sold at extreme rates, including part pale and part brown, mostly free almondy, some massed, at 9l. 2s. 6d. to 9l. 7s. 6d.; brownish ditto, 7l. 10s. to 7l. 15s.; and brown darkish lump, 5l. 15s. A bid of 4l. 10s. is to be made for hard brown block, and 9 cases

low stony sold at 20s. A further 23 cases have arrived *via* Port Said.

BENZON.—The good qualities of Sumatra are now very scarce, owing to the fact that during the past four weeks about 300 cases have been delivered from the warehouse. On the other hand, common grades are plentiful, as instanced by the offerings to-day. They were not wanted, however, and 103 cases of Sumatra thirds were bought in at from 95s. to 100s. Two cases of small to extra bold free pale Siam almonds, of good flavour, were retired at 27l. per cwt., a bid of 25l. 2s. 6d. being refused.

The exports from French Indo-China during 1908 amounted to 30 tons, valued at 3,677l., against 69 tons, valued at 8,410l., in 1907. France received practically all the shipments.

BUCHU about steady. Two bales of fair greenish round, partly stalky, sold at 1s. 6d., and a bag of greenish ovals realised 11d.

CARDAMOMS were one of the few articles which appreciated in price, the medium and bold sizes of Mysore being 1d. to 2d. higher, the following rates being paid: Ceylon-Mysore, medium to bold pale long, 2s. 4d. to 2s. 8d.; bold and medium dullish to pale, 2s. to 2s. 2d.; medium dullish to pale, 1s. 8d. to 1s. 10d.; small dullish to pale, 1s. 5d. to 1s. 6d.; tiny, 1s. 3d.; brown and split, 1s. 3d. Bold split dullish, 1s. 11d.; bold shelly splits, 1s. 7d.; dull seed, 1s. 7d. Tuticorin, medium greenish, was held at 1s. 4d., a bid of 1s. 3d. being refused; small greenish sold at 1s. 3d., and fair seed at 1s. 8d. Seven cases good Bombay seed were held at 1s. 9d.

CHAMOMILES.—Firm. Nineteen bales of Belgian sold at 66s. for fair old brownish, at 65s. for new brownish mixed, and at 58s. for old crop, without reserve. Privately the market is reported firm in Belgian, while the spot price for good No. 1 is about 95s., and seconds about 70s.

COLOCYNTH.—Steady. Six bales of fair pulp sold at 7½d., and for six cases small to bold palish Turkey apple 7½d. was paid without reserve. Privately *pulp* is quoted at from 7d. to 8d. as to quality.

CUBEBS.—The *Arabia* has brought 23 bags from Bombay, of which 10 bags were catalogued for auction but were not in time; 6l. per cwt. was mentioned as the price.

DRAGON'S-BLOOD.—Two cases of common damp Singapore block sold at 6l. per cwt.; and for five cases of mixed quality, part reboiled and part seedy lump, of good colour, 11l. was wanted, a bid of 10l. being refused.

ERGOT.—Twelve bags of good bold sound Spanish were bought in at 1s. 9d., the limit being 1s. 7½d.; and for 5 cases of fair sound Portuguese the buying-in price was 1s. 8d.

FENNEL-SEED.—Twelve bags fair Levant sold without reserve at 21s. per cwt. net, gross for net.

HONEY.—Dearer; 83 kegs Jamaica offered and mostly sold at irregular rates, some qualities being 2s. to 3s. cheaper, while others were full up; for nice white set 33s. down to 31s. was paid; good palish set and setting sold at 27s. 6d. to 29s.; yellowish and brown and fermenting 26s. to 28s. per cwt. Sixteen cases Australian brown set were held at 32s. 6d., and 20 cases palish Honolulu were bought in at 35s. Privately honey of most descriptions is comparatively scarce.

IPECACUANHA.—Quiet. Seven bales of Matto Grosso were offered, and one sold at 4s. 11d. per lb. for sea-damaged. Sound was bought in at 6s., a bid of 5s. 6d. being refused for fair leanish and 5s. 7d. for bright plumper. A single bale of Cartagena pickings sold at 3s. 7d. The price of Cartagena remains at 4s. On Wednesday first-hands sold 10 bales Matto Grosso, and since the auction the market is said to have been cleared of all cheap lots (including the sale catalogue) and first-hand quotations for Matto Grosso is now 6s.

LIME-JUICE.—Prices are tending easier, in view of arrivals; from 10d. to 1s. per gal. will buy, according to quality.

MYRRH.—Ten cases siftings were bought in at 42s., a bid of 38s. being refused; four bales of dust sold at 26s. 6d.

OIL, ANISEED (STAR).—Two small lots of Red Ship brand were held at 4s. 8d. per lb. The exports from

French Indo-China during 1908 amounted to 29 tons, valued at 17,950*l.*, against 52 tons, valued at 32,114*l.*, in 1907. The product went to France.

OIL, EUCALYPTUS.—A line of 40 cases Australian analysing 73 per cent. eucalyptol (B.P.) sold at from 1*s.* to 1*s.* 0½*d.* per lb., being below the rates asked privately. Six cases Citrodora were limited at 5*s.* per lb.; 20 cases, catalogued as "Globulus," were bought in at 2*s.* 2*d.*; 20 cases containing 68 per cent. eucalyptol (B.P.) were also bought in at 1*s.* 2*d.*; and 20 cases of Amygdalina at 8*d.* per lb.

OIL (ORA GE).—Two coppers of bitter sold without reserve at 4*s.* 3*d.*

QUINCE-SEED.—Dearer. Five bags of fair Portuguese sold at 2*s.* 6*d.* per lb.

RHUBARB.—Quiet. Two cases of medium round Canton rather roughly trimmed, with three-quarter fair pinky fracture, sold at 1*s.* subject, and for three cases of small round and trimming root, 1*s.* subject was also paid. Bold flat Canton, with similar fracture to the round, sold at 11½*d.*, and small and medium at 11*d.* Four cases medium to bold round horny High-dried, with three-quarter good pinky fracture and a quarter dark, good coat, sold at 5½*d.* No Shensi offered.

SARSAPARILLA.—Steady. Of grey Jamaica, 41 bales offered and sold at from 1*s.* 1*d.* to 1*s.* 2*d.* for slightly coarse and rough to good fibrous, and at 1*s.* for ordinary rough. Native-Jamaica was neglected, 9 bales being bought in at from 9*d.* to 11*d.* as to quality, and for 1 bale of dyed red 8*d.* was paid without reserve. Lime-Jamaica was steady, being sold at from 11*d.* to 1*s.* per lb. for roughish for 6 bales.

SEDLAC.—Four cases of fair Calcutta sold at 29*s.* 6*d.* per cwt. without reserve.

SENEGA.—The price asked for three bales of fair quality was 2*s.* 3*d.* per lb. net, no allowances.

SENNA.—Practically all the Tinnevely sold at very full to firmer rates, pods being ¼*d.* dearer. Medium and bold greenish sold at 3½*d.* (one bale 4¼*d.*), small and medium greenish ditto 3*d.* to 3½*d.*, small ordinary specky 2½*d.* to 2¾*d.*, ordinary small and yellow 2*d.* to 2½*d.*, common dark specky 1¾*d.*, pods (small dark to fair) 3*d.* to 3½*d.* per lb. Of Alexandrian, pods only were shown, 43 packages being offered, but no sales were made. The price of palish, papery pods is 6*d.* per lb.

SIMARUBA BARK.—Eight bales fair bright quilly were bought in at 50*s.*

SQUILL.—Eighteen bags of good white were held at 3*d.* per lb., and for 49 bags offered without reserve 1*d.* per lb. was paid for damp yellow, 1½*d.* for dry yellowish, and ¾*d.* per lb. for common yellow.

WAX, BEES.—Quiet. Good bright Zanzibar block (96 mats) were bought in at 6*l.* 15*s.*; three bales sold at 6*l.* 15*s.* for similar quality, and 22 bags at 6*l.* 10*s.* for fair bright. Seventeen bags Madagascar realised 6*l.* 10*s.* (partly subject) for fair, part dark and wormy. Good red and brown Jamaica (two barrels) sold at 8*l.*, and ten cases good bleached Calcutta has been sold privately.

Quicksilver.

Amid the various circumstances which led to the recent sharp advance as discussed in our editorial columns last week, there is reason for assuming that the more or less general falling-off in production is a more important factor in the strong underlying conditions than is generally supposed. An idea to that effect may already to some extent be gathered from the following returns of output during the past twelve years obtained from a tolerably reliable source:

World's Production in Metric Tons.

1896	4,020	1902	4,055
1897	4,328	1903	3,687
1898	4,135	1904	3,843
1899	3,802	1905	3,331
1900	3,308	1906	3,935
1901	3,117	1907	3,244

Considering that out of the 1907 production of 3,244 metric tons well over one-third, or 1,212 metric tons and 371 kilos., was produced by the Almaden and Mierces mines as stated in our last issue, and that these mines turned out only 1,067½ metric tons in 1908, it seems therefore pretty certain that the total world's output for the latter year already fell well below that of 1901 (which amounted only to 3,117 metric tons), and must therefore be considered the lowest experienced for a

great number of years. It is quite possible, too, judging from the reports which have been forthcoming as to the progress of production in European countries and in the United States, that this year's output may fall well under 3,000 metric tons, which is equal to about 87,000 bottles. There is no doubt that production has given way to an extent which tends to justify the return to high prices, while the shrinking stocks and the consequent more restricted quantities on offer from all quarters have greatly stimulated the trade demand. But for the introduction of the cyanide process, which has checked consumption in one direction, the buoyancy of the market at this juncture might easily have assumed still greater proportions. The recent inquiries to cover short sales have now, it is reported, been about satisfied.

Amsterdam and London Cinchona-auctions.

The following dates have been fixed for the auctions to be held in Amsterdam in 1910: January 13, February 17, March 24, April 28, June 2, July 14, August 25, September 29, November 3, and December 8. In London the dates are as follows: January 25, February 22, March 15, April 19, May 24, June 21, July 19, August 16, September 13, October 18, November 15, and December 13.

Manchester Chemical-market.

November 16.

There is no particular change to report in heavy chemicals. Caustic soda and bleaching-powder continue in good demand for export, but ammonia alkali for next year's delivery on home account is lower. Bleaching-powder in soft-wood casks is quoted 4*l.* to 4*l.* 5*s.* on rails at makers' works. There is not much change in soda-crystals and salt-cake. The position in carbonate of potash continues steady, but there is much reselling. Sulphate of copper, owing to the continued advance in the raw metal, has advanced 5*s.* to 7*s.* 6*d.* per ton. For spot delivery 18*l.* 15*s.* to 19*l.* is quoted, with 19*l.* 5*s.* to 19*l.* 10*s.* forward. Arsenic and brown acetate of lime are steady. Greases are remarkably scarce. Marrow-fat is quoted 29*s.* 6*d.* to 30*s.* 6*d.*; brown skin, 26*s.* 9*d.* to 28*s.*; white skin, 29*s.* to 31*s.* on rails or landing port. Farinas are quiet at late values for fine, but secondary sorts are 10*s.* dearer. Italian green olive-oil soap, owing to the advance in oil, is dearer; 56 to 58 per cent. for prompt delivery is quoted 22*l.* 5*s.*; 62 to 64 per cent., 23*l.* 10*s.* ex store Manchester, on shipping weight, in bars, in cases net. Supplies for this year are scarce, and it is difficult to place a value on same.

Heavy Chemicals.

A fairly steady business continues to be done at all centres of the heavy-chemical industry, and the tone of the market is firm. A pleasing feature is that for the season of the year exports are good. A fair proportion of the outstanding orders, at the time of last writing, for 1910 delivery have been settled, and the most important part of such business has now been concluded. Values, generally speaking, are steady and fluctuations are few.

SULPHATE OF AMMONIA.—This market continues very quiet, and the demand is scarcely equal to available supply, buyers apparently waiting for lower prices. Actual purchasing done has for the most part been to cover sales previously made. For forward delivery sellers hold out for advance, though it seems that some dealers are willing to sell for delivery early months of next year at about present figures, which are: Beckton, 11*l.* 5*s.*; January-June, 11*l.* 8*s.* 9*d.*; Beckton terms, 10*l.* 18*s.* 9*d.*; London, 10*l.* 18*s.* 9*d.*; Leith, 11*l.* 5*s.*; January-June, 11*l.* 7*s.* 6*d.*; Liverpool, 11*l.* to 11*l.* 1*s.* 3*d.*; and Hull, 10*l.* 18*s.* 9*d.*

ALKALI-PRODUCE.—The main feature in this branch has been the reduction of 10*s.* per ton in price of ammonia-alkali 58 per cent. for next year's delivery, which means about 4*l.* to 4*l.* 5*s.* per ton in bags free on rails. Caustic soda is selling well, and higher strengths are not in over-abundant supply. 75 to 77 per cent., 11*l.* to 11*l.* 2*s.* 6*d.*; 70 per cent., 10*l.* 5*s.* to 10*l.* 7*s.* 6*d.*; and 60 per cent., 9*l.* 5*s.* to 9*l.* 7*s.* 6*d.* Bleaching-powder is rather quiet at 4*l.* 2*s.* 6*d.* to 4*l.* 7*s.* 6*d.* for soft-wood casks on rails. Soda crystals for the season of the year are moving steadily at unaltered values of 55*s.* to 57*s.* 6*d.* per ton f.o.r. Tyne, 57*s.* 6*d.* to 62*s.* 6*d.* f.o.b. Tyne, and 60*s.* to 65*s.* f.o.b. Liverpool. Bicarbonate of soda, 5*l.* to 6*l.* per ton f.o.b. Liverpool, according to packages, etc. Salt-cake rather quiet on home account, but the tone is somewhat firmer, as there has been a good export demand. Chlorates of potash and soda quiet at 3½*d.* to 3¾*d.* per lb., according to quantity, etc. Yellow prussiates of potash and soda have been moving rather better, but they are not very firm in value, potash 4½*d.* to 4¾*d.* per lb. and soda 3*d.* to 3½*d.* Hyposulphite of soda is rather firmer. Ordinary crystals in casks, 5*l.* to 5*l.* 10*s.* per ton; prices in 1-cwt. kegs vary from 5*l.* 15*s.* to 7*l.* 15*s.* per ton, according to quality and quantity. Silicates of soda 140° Tw., 4*l.* 5*s.* to 4*l.* 15*s.*; 100° Tw., 3*l.* 15*s.* to 4*l.* 5*s.*; and 75° Tw., 3*l.* 7*s.* 6*d.* to 3*l.* 17*s.* 6*d.* per ton, according to quality, quantity, and destination.



TO CORRESPONDENTS.—A letter for publication should always be a distinct communication; nothing else should be mixed up with it. Each query—no matter whether legal, dispensing, or general—should stand by itself, and the paper upon which it is written should always be backed with the shop stamp. We do not undertake to reply to queries by post. Write clearly and concisely on one side of the paper only. All communications should be accompanied by the names and addresses of the writers. Publication of letters does not imply our agreement with them. Letters received after Wednesday morning cannot as a rule be dealt with in the current week's issue.

"Pharmacy."

SIR,—The Pharmaceutical Society having with tardy wisdom decided not to carry their case further, Mr. V. Aylmer Coates's argument has only an academic interest, but he may be assured that to have relied upon any such argument would have been to court further defeat. It is indeed strange that Mr. Coates has been unable to find the word "pharmacy" applied to any building or place. Where has he looked? According to the "O. E. D.," the history of the word is briefly this: it appears first in English in 1386, with the meaning "A medicine or medicinal potion," but in this sense it has long been obsolete. It occurs in 1400 as indicating "the use or administration of drugs or medicines," and has continued to be used in this sense until our own time; but in what Sir James Murray calls "the leading current sense," it has not been found (in its English form) until the comparatively recent date 1651. As meaning "A place where medicines are prepared or dispensed" the first instance given of its use is dated 1833, since which time this use has been common. There is, of course, nothing strange in this sense-development. Not to multiply instances of similar development, there are the three words "surgery," "bakery," "brewery," all of which indicate, or have at some time indicated, both the arts to which they refer and the places in which those arts are carried on. The case of "bakery" is particularly pertinent. As indicating the craft of the baker, its first appearance is under date 1545; in what is now its usual sense it does not appear until 1857. That "chemistry" has not acquired a similar secondary sense is nothing to the point, but it is to the point that "druggery" has: used of drugs or physic collectively it dates from 1535; in 1865 it occurs as the name of a place where drugs are kept.

It is pretty clear from all this that Mr. Coates's argument has no force, nor had the Society, in the face of Mr. Justice Darling's remarks, any ground of hope elsewhere. It is, of course, common-sense that the word "pharmacy" should indicate, and has always been meant to indicate, a place where pharmacy is carried on; but what has common-sense to do with law? As little as with the Pharmaceutical Society. "The law," said Mr. Bumble, "is a hass." And numberless instances could be found in which the names of places and houses have no reference to the business carried on in them. I myself know a "New Inn" which has not been an inn for over sixty years.

May I, in conclusion, say that the separation of pharmacists into distinct classes, which "Xrayser" declares to be the apparent intention of Section 4 of the recent Act, has always seemed to me to be the real intention of the Pharmaceutical Society, and the only possible end of its attempts at legislation?

Yours, etc.,
82 Dresden Road, N., November 15. C. C. BELL.

SIR,—The thanks of the whole drug-trade are due to you for having made it so clear to your readers that the use of the word "pharmacy," as a description of a place, is open to all who choose to carry on business for the sale of drugs and pharmaceutical products, whether the proprietors of such establishments or their servants are qualified by examination of the Pharmaceutical Society or not. The principle of the "qualification of the vendor" of scheduled poisons, either master or employe, has never been looked upon with much favour by the general public, for so long

as the person behind the counter has a pleasant and engaging manner the ordinary customer cares little or nothing whether the pharmacy he patronises is owned and managed by a registered chemist or otherwise. It would have been unreasonable to expect any decision other than that which was recently arrived at by a Court of Appeal; for had Parliament really intended that those who are "specially qualified" to practise the pharmaceutical art were entitled to the exclusive use of the word "pharmacy," such intention would have been set forth in unmistakable language before the Poisons and Pharmacy Bill was allowed to become an Act. The meaning of the various sections of the 1908 Act is perfectly plain, and no amount of twisting can make it illegal for anyone to make use of the words "pharmacy," "pharmaceutical department," or "pharmaceutical drug-stores" when describing a shop in which drugs are sold. To those whose hobby it is to indulge in prescribing or minor surgical work it may be some consolation to know that the use of the word "surgery," as a description of a place of business, is likewise open to all, and is not prohibited in any of the Medical Acts.

Yours, etc.,

South Hackney, November 15.

G. E. OLIVER.

[Our correspondent is one of those who early in the year was "amazed to find that, after all, the use of the word 'pharmacy' is not to be confined to registered persons" (*C. & D.*, January 16, p. 97). We then gave a warning to the effect that it was too late to do that. The proper time was when the Bill was in Parliament last year. Action under the 1852 Act necessarily implied that if the Pharmaceutical Society succeeded, use of the description "pharmacy" would be restricted to pharmaceutical chemists, and chemists and druggists equally with unregistered persons would thenceforth break the law by using the description. This is absurd, considering that the description ethically pertains to the business place of a pharmacist, and no other. The effect of the Pharmaceutical Society's action against Mr. Mercer is to advertise to the whole world that it has no power to prosecute anybody who calls his place of business a "pharmacy." So we pass on our correspondent's thanks to the Society.—EDITOR *C. & D.*]

SIR,—I should like to enter a protest at the treatment that is being bestowed upon chemists and druggists, etc., by the Pharmaceutical Society. I consider it is a downright insult to chemists, etc., not to have appealed against the decision of the Courts in the Mercer case. What is the use of being qualified if we are to have first one thing and then another taken from us? It seems a waste of time to agitate, but I would suggest that if the Pharmaceutical Society are tired of conducting the affairs of the Society they resign *en bloc*, and give someone else a chance. It is a great pity a few more wideawake provincial chemists could not get on the Council and put a stop to a lot of this foolish work. In the way things are being conducted we shall not have any prestige in the country at all.

Yours truly,

JUSTICE. (241/5.)

SIR,—Seeing that as the result of recent legislation chemists have lost their claims to titles which were fondly supposed to have been granted by Acts of Parliament, the Pharmaceutical Society ought no longer to compel individuals to go through the farce of their examinations. Anyone can now open a "pharmacy," and also as easily sell poisons. How long, I wonder, are chemists going to put up with the Society, which appears to exist for the sole purpose of giving a few favourites the opportunity of reading "scientific" papers to small audiences? We want a "business" Society urgently.

I am, Sir, yours truly,

FARMASEE. (738/52.)

Sale of Poisons.

SIR,—Will you permit me through your columns to call the attention of chemists' associations to the frequent sales of poisons by unqualified persons? We have reason to believe that this prevails to an alarming extent in Hull, and, indeed, throughout the country, but have found great difficulty in getting sufficient evidence to justify us in bringing these cases to the notice of the Pharmaceutical Society. If other Associations will discuss this question, and you, Sir, will give as much space as possible to reports

of these discussions, we may eventually be able to take some united action in this matter.

Yours truly,

WALTER STANING, Hon. Sec.

Hull and District Pharmacists' Association.

455 Anlaby Road, Hull.

Mineral Waters.

SIR,—Under the heading of "French News," on page 738, in your issue of November 13, we notice a paragraph, "Fraud in Mineral Waters," recording the fact that imitations of the better-class natural mineral waters, such as Vichy and Evian, had been discovered to a considerable extent in France; but some time ago we were officially informed by the proprietors of the springs in question that this fraud had been stopped. We consider it right, however, to remind you that we, as the agents, receive our supplies direct from the springs only, and not through any commission house, either in Paris or elsewhere in France, besides which, as we state in our trade advertisements, every bottle bears its own stamp of genuineness by means of the capsule and brand on the cork. The same remarks apply to all French natural mineral waters if shipped direct from the springs to the consignee in this country.

Yours faithfully,

INGRAM & ROYLE, LTD.

Upper Thames Street, E.C., November 13.

Are Chemists Businesslike?

Mr. Harold Miller, of Cheltenham, chairman of Ucal, in a longer letter than we have room for, replies to the letters of "Enterprise" and "Alert" in our issue of November 13, p. 764. He first sets forth how Ucal will, in his opinion, work out in practice, nine points being advanced as regards benefits offered by the Ucal system. Mr. Miller says "Alert's" assumptions are incorrect, and adds:

"Alert" states that he cannot see how we are going to earn 10 per cent. dividend. There is no necessity for us to do this, although we hope to do so. The only way in which a 10 per cent. dividend is mentioned is in limiting the dividend to this amount; this ensures the profits going into the pockets of the men who earn them, instead of into those of people who simply provide capital. . . Self help is a doctrine that the promoters of Ucal have set out to preach: they want to help themselves by helping brother pharmacists. This is the only remedy that will do the present state of pharmacy any good. The power to cast off from pharmacy the parasitical influence that now degrades it is in the hands of the pharmacists themselves. Others have proved that "Unity is strength." Why should we not profit from their experience? There is another doctrine preached continually by those with sinister motives: that of Hope. Pharmacy has been hoping long enough, and the man who runs his business on the line of hope stands a good chance of a Benevolent Fund pension if he lives long enough. Ucal consists of a body of men out for the object of helping each other. If there is a weak spot in the Ucal scheme, and "Alert" can see it, I ask him to point it out so that this can be remedied. The salvation of pharmacy does not lie in the direction of running side-lines, such as stationery, fancy goods, and anything and everything except drugs, as suggested by your correspondents: this merely gives a lower tone to the shop. Unity on business lines is the only remedy; it is a rational one, which we are trying to apply to the best of our ability, and we want the help of every pharmacist.

We have no reason to believe that "Alert" and "Enterprise" are enemies to Mr. Miller and his colleagues. The question started by Mr. A. H. Jones on October 23 was, "Are chemists businesslike?" "Alert" in reply mentioned Ucal incidentally, and Mr. Miller's response now brings us back to the original question.

Preventable Loss on Patents.

SIR,—"Verax" is wrong. I had no desire to refer to any town. Even in the town he wrongly suggests, I know two chemists and druggists who each sold two gross of Peps and Zam-Buk last year at 1s. 1d., both exhibiting the Peps showcard, and are fully stocked for next year at the same price. In that same town there are two of the biggest and most prosperous drug-businesses in England. In that town the co-op. charges 1s. for Beecham's, other traders 10½d. The co-op.'s customers need the dividend badly; they know it is added on to begin with, and they seem to

go to chemists just as usual for Peps and Zam-Buk. And if it were not for the fact of the very high cost price of Fulford's goods, doubtless the co-ops. would do the same with them as with Beecham's, and hosts of other patents, which would then mean selling level with the chemists. I gave the list to show the loss, not suggesting it was universal; but because many men still persist in saying their loss is small, or they can afford it as an advertisement. I can give the names of two towns miles away from "Verax's" wrong guess, where for three years Pink Pills and Doan's have sold at 1s. 11½d., and where my whole list might very nearly apply with only one or two exceptions, if any. By loss I mean loss of profit, which we might have by friendly arrangement among competitors. What would our loss of profit have been were it not for the P.A.T.A.? "Verax" is wrong again when he says "this clears the remaining 5s. 9d. of the supposed loss." Dear me! How very logical! How very satisfactory! It does not clear anything of the sort, for even goods sold at bare cost is a loss of 25 per cent., because it costs (on the average of sales) 25 per cent. to keep open shop to hand over these same goods. It is very difficult to teach some men even elementary business methods. Men like "Verax" may never see it, but if other men will keep my suggestion in mind I can assure them it is worth trying. I have been through it in several towns, and I know; and incidentally I prophesy that the makers of patents like Phosferine and Scott, who give us a good profit, and send small lots direct, will be big businesses when some of the others are dead and done for.

JAY MACK.

Home Dispensing.

SIR,—May I ask how your readers would deal with the following? A lady presents a prescription which has been made up by a chemist, and asks if I can supply the ingredients separately as she usually makes her own pills. The ingredients are as follows:

Aloin.	gr. ss.
Euonymin.	gr. j.
Ext. cascara	gr. j.
Ext. hyoseyami	gr. j.

Ft. pil.

I am quite within my right in supplying quarter ounces, half-ounces, or ounces of the ingredients, but did not do so. In the first place, she got the prescription on loan from a friend. Asked if she knew the nature of the ingredients, she said her friend said it was a good one. Had she proper apparatus for making and dividing? No. She went out, no doubt with the idea of trying again. I offered to make a larger quantity than ordered at a reduced rate. Some would say, "Sell and let her take her chance"; but I am of opinion that it is a prostitution of our only professional service—that of dispensing physicians' prescriptions—and it should be preserved from such attempts of the public to drag it in the gutter.

Yours truly,

SPARKO. (236/35.)

Little Liver-pills.

SIR,—I have been asked to sign an agreement with the Carter Medicine Co. to discontinue selling little liver-pills other than Carter's. I was astonished at such a request, and was shown a long list of signatures of chemists, throughout the provinces, who have agreed to discontinue selling their own little liver-pills, as such, when their present stock is exhausted. I cannot help thinking what fools these men must be. Those who have signed have really admitted they are doing wrong, and are using a title that belongs to the Carter Medicine Co. The request is unjust, and chemists are blind to their own interests to sign the agreement.

Yours truly,

WILLIAM. (227/6.)

What is the Best Floor-covering?

SIR,—I should be very grateful if any brother chemist who has tried either "Parquet" or tiles in place of a linoleum-covered shop-floor would give me some idea as to the cost and suitability. I have no cellar under my pharmacy, and am frequently having to repair "dry-rot" in the joists and floor-boards, to say nothing of renewing the lino.

Yours truly,

A. A. (238/41.)

A Growl from the East.

SIR,—Being one who reads your journal regularly and who is interested in the doings of brother chemists in the Old Country, it has struck me what a lot of silly letters are written to your paper, and how narrow the life and how limited the common-sense of the average pharmacist are. Surely it does not require reams of paper to be wasted to know how to treat commercial travellers. The majority of chemists treat them rudely, and often show bad breeding in consequence. During my twelve years' experience in England I only came across one or two travellers who made themselves objectionable; but, alas! I have met any number of our fraternity who continually growl and parade some petty troubles as to enlist sympathy, and who, even though they be not busy, have had a harsh word for a well-meaning traveller. Again, we have the old, old story of the stores. Every chemist in his heart knows that it is mostly his own fault, partly through want of a business system and partly through stubbornness. He also knows that the assistant of a company of chemists is better treated than a private one. He is beginning to realise that his junior brethren object to take their meals with the cook and sleep in a back attic. Sometimes one hears of the chemist protecting himself against the dentist. Surely if he is allowed to follow that calling without examination, why cannot he allow a seedsman to sell a bottle of insecticide without a diploma? The cases are parallel. It is and has always been my belief that the more you encourage an assistant and the better you pay him, the more will he look after your interests. The Americans have a saying that "for ten dollars you get a ten-dollar man," and this is as true in England as in the States. Assistants should co-operate and recognise that to bring pharmacy to its own the matter lies with them. The so-called "drunken thieves" can if they wish compel such masters of vituperation as "W. B." to come to their senses or do their own work. I do not suggest that we should come to the level of a trades union, but, even if we did, it is far better to be top of the trades than bottom of the professions. It is better to have a recognised place, and then recognised methods of dealing with subjects that crop up can be carried out.

Yours very truly,

Bangkok, Oct. 12. MANAGER. (236/14.)

Information Received from Subscribers.

Apothecaries' Assistants.

Mr. John Brownlow writes on this subject deprecating the publicity given to the efforts of Hall men to get full advantage of the provisions of Section 4, and especially objecting to the statements derogatory to the Hall qualification. His letter reaches us too late for inclusion in these pages.

Fair Play (242/14) suggests that all who have the Apothecaries' Assistants' certificate should join together and endeavour to help the Apothecaries' Society. The N.U.A.P. have done this, and have quickly made themselves very prominent all over the country. He adds that apothecaries' assistants should send a letter or attend the meetings, offering their co-operation to the Society, also attend the next meeting in greater numbers.

A Postcard.

Messrs. Oldfield, Pattinson & Co., Manchester, last week received a postcard from a Preston customer which looked prosy enough, but as one read it the following lines evolved:

From Mr. H. I ordered Spanish,
My customers' bad colds to banish;
I haven't got the stuff in yet,
And youngsters with those sore chests fret.
Please do me one nice, pleasant turn—
Send 1 cwt. of Silver Churn;
And let it come without delay,
That I may sell it day by day.

Lecithin in Diabetes.

Supplementing our reply to "A. M." last week, Messrs. Fairchild Bros. & Foster inform us that the preparation of lecithin which Dr. F. W. Alexander has used is Lecithin (Fairchild), a liquid containing 1 grain of pure isolated lecithin in one teaspoonful. Dr. Alexander recently communicated an article on the subject to the "Medical Times," and referred to the American preparation as the one which had given him the best results.

A Leader Wanted.

Ten shillings enclosed in payment of subscription. This makes the twenty-fourth year, the first copy being forwarded to me at Chicago, U.S.A. So we stick to you! Is there no leader in the trade to raise some feeling among our lethargic brethren and do something to preserve our rights as qualified chemists and pharmacists (both titles are now practically valueless through the muddling Pharmaceutical Society)—men who are compelled to qualify, but are not provided with protection against unqualified competitors?—J. H. W. (27/38.)

Legal Queries.

Executor (232/35) has money to invest on behalf of infants, and wants to know if he can deposit the money in the P.O. Savings Bank. [Yes. He should communicate with the Controller of the Post Office Savings Bank, Blythe Road, West Kensington, who will give him full information as to the regulations of the bank and as to whether he will have to open separate accounts for each fund.]

Willow (240/38).—Applications for restoration to the Register of Chemists and Druggists must be supported by a statutory declaration made by the applicant before a person duly authorised to administer oaths. A fee is usually charged for this attestation by such persons, and the declaration itself has to bear a 2s. 6d. stamp. Besides this declaration there is a form of application to the Council which has to be signed in the presence of a witness, and the fee for restoration is 1l. 1s.

J. L. J. (235/1).—The proper course to take in the case where a mortgage is to be paid off with money obtained from a relative, so as to protect the latter, is for the existing mortgage to be transferred from the present mortgagee to the relative, and the cost of the transfer will be very little (if anything) in excess of the cost of the reconveyance, and no fresh mortgage will then be necessary. When the mortgage is paid off to the relative the cost of the reconveyance of the property from the relative to yourself will probably not exceed 2l. 2s. and 2s. for stamp-duty. If the course suggested is adopted, the relative will have a far better security for his money than the security he would get by a mere deposit of the deeds.

Miscellaneous Inquiries.

We endeavour to reply promptly and practically to trade questions of general interest, but cannot guarantee insertion of replies on a particular date, nor can we repeat information given during the past twelve months. A preliminary condition for reporting on samples submitted is that all particulars as to source and uses are given to us.

W. J. W. (233/70).—The quantity of salt in the liquid extract of beef can be readily reduced by the process of dialysis. The liquid is placed in a dialyser, consisting of a glass or earthenware bottomless vessel with a parchment end or diaphragm, and the dialyser suspended in water which is either frequently changed or kept pure by running a stream of water through. The salt passes through the diaphragm.

Chemicus (232/39).—BOOKS ON VENEREAL DISEASES.—C. L. Green's "Treatment of Gonorrhoea in the Male" (Baillière, 5s.); E. M. Corner's "Diseases of the Male Generative Organs" (Frowde, 5s.); "Manual of Venereal Diseases," by officers of the R.A.M.C. (Frowde, 5s.).

W. B. (239/71).—BOOT-POLISHES.—See C. & D., November 14, 1908, p. 774, for the most recent formulæ, and in further correspondence state more precisely what your difficulty is with the recipes in "Pharmaceutical Formulas."

Colonial (O.R. Colony), (224/21).—WIREWORM IN SHEEP.—This contains copper arsenite, copper sulphate, sodium chloride and sulphur, confirming your examination of the powder. The proportion of the copper arsenite is probably not more than 2 grains in each drachm—the maximum dose for a sheep. The copper sulphate is not present in more than 5 to 10 grains in each dose. In regard to the wireworm preparation you at present use—copper and iron sulphate with nitre—we consider it a good mixture, and suggest that you make it bulkier so that it can be administered in powder, that being, as you say, a handier form for a shepherd to employ.

J. A. H. (225/22).—The analysis of the "stamped American proprietary" is outside the scope of this column. On the other hand, the examination of complex vegetable mixtures is never very satisfactory as regards practical results.

J. D. (3/28).—FREEDOM OF THE CITY.—The advantages of taking up the freedom of the City of London are largely sentimental, but there is an orphan school available in case of need. The honour of being a freeman of the most important city in the world is one which most people value as scarcely inferior to love of country. The fact that the freedom of the City can be taken up by those who have obtained the optical diploma of the Spectacle-makers' Company is found to be a great inducement to chemists to enter for the Company's examinations.

H. S. C. (227/8).—STEAMY WINDOWS.—A good many suggestions have been made with a view to preventing shop-windows becoming obscured by steaming in cold weather. The most useful method is to apply a solution of soft soap in methylated spirit, and most compositions depend upon the glycerin they contain. The substances used for dentists' mouth-mirrors have soap bases.

W. F. (239/67).—THE NERVE-CELL NUTRIENT TABLETS probably contain glycerophosphates of calcium and sodium, but being a proprietary medicine do not fall within the scope of the replies in this column.

Bonum (218/50).—WINTER FLUID FOR THE HANDS.—The following is similar in composition to your sample:

Pulv. tragacanth.	5j.
Ac. carbolic	3j.
Glycerini	5ij.
Ol. lavand.	℥x.
Ol. rosæ geran.	℥x.
Spt. rectificat.	3ss.
Aque	3vj.

Dissolve the essential oils in the spirit and the carbolic acid in the glycerin. Mix the spirituous solution with the tragacanth in a mortar, add the mixed glycerin and water all at once, and stir until uniform.

Elderflower (28/5).—THE MEDICINAL USES OF THE ELDER.—Modern herbalists employ only the flowers and bark of the elder (*Sambucus nigra*) and attribute to them alterative and diuretic properties. The drug is administered in the form of an infusion (1 oz. in a pint), which is taken in doses of a wineglassful. Potter's "Cyclopædia" states that the infusion has been successfully employed in epilepsy. The fluid extract of the bark is given in doses of $\frac{1}{2}$ to 1 drachm. Elderflower water is much used as an eye-lotion. Anciently every part of the elder had attributed to it pronounced medicinal properties, which will be found precisely laid down in "Anatomia Sambuci" (1655), which may occasionally be met with at second-hand booksellers.

F. J. H. (3/7).—CHEMICAL LECTURES.—The reply to "J. S. S." in the *C. & D.*, November 13, p. 766, answers your inquiry.

Multi (224/36).—MURRAIN POWDER FOR COW.—This consists of sodium bicarbonate, powdered ginger, and powdered gentian. If by murrain you mean foot-and-mouth disease it is not advisable to attempt treatment. On account of the seriousness of the disease and its infectiousness affected animals have to be slaughtered. It may be, however, that you are referring to a milder disease than that to which the name is applied in England.

D. N. (11/11).—BOOT PRESERVING AND SOFTENING COMPOSITION.—We make this out to be a mixture of carbon bisulphide (20), rubber (1), and Chinese wood oil (40). The rubber is first dissolved in the carbon bisulphide and then mixed with the wood oil. The proportions indicated in parentheses are suitable for your experimental work.

Foreign (225/38).—(1) The translation of the drug-names you mention is as follows: *Péculé*, starch; *sel d'oscille*, salt of sorrel; *morelle*, common nightshade (*Solanum nigrum*); *jusquiame*, henbane; *crysimum*, hedge-mustard (*Sisymbrium officinale Scopoli*). **(2)** ANTHON is a trade-name for potassium persulphate. It is used as a reducer in a $\frac{1}{2}$ -per-cent. solution. The negative must be free from "hypo."

Alpha (235/60).—(1) MIST. UROTOPIN.—We cannot find any published hospital formula which is flavoured and coloured with tinct. lavand. co., syr. aurant. being the favourite vehicle. It should not be difficult for you to devise an imitation, taking the average dose of urotropin at 10 grains. **(2) CREOSOTE CARBONATE**, being insoluble in water, requires as a suspending agent in a mixture the addition of acacia or tragacanth.

Perplexed (240/42).—GRASS-IMPROVER FOR LAWNS.—We have had this sent us for analysis several times, and it has perplexed us also. Your letter, however, supplies an excellent suggestion as to what the worm-destroying property of the fertiliser is due. We have no doubt that there is present a proportion of ground mustard brand, which is an old remedy

for worms on lawns. This would make the principal ingredients dried blood, iron sulphate, and mustard. After applying the powder the grass is well watered or the improver is sown broadcast just before rain. The advantage of mustard over mercurial worm-killers is that the worms are not poisonous and consequently destructive to birds.

S. B. (207/22).—See reply to "Perplexed."

D. N. N. (91/19), writing in regard to a formula for mercurial worm-killer with which we supplied him, states: "Many thanks for recipe; it is excellent; quite amusing to see the jokers come up to the surface."

J. H. W. (234/74).—TOMATO SAUCE.—A formula for this was last given in the *C. & D.*, February 15, 1908, p. 279. "Pharmaceutical Formulas" contains many good recipes for sauces.

N. N. D. (Calcutta) (20/23).—(1) PRESERVATIVES IN FOOD.—The addition of small quantities of boracic acid, etc., to milk and solid food is not intended to preserve them indefinitely. Where food is to be kept for a long time it must be sterilised and stored in hermetically sealed vessels. **(2) DEODORISING COCONUT OIL.**—The processes of converting coconut oil into an edible fat are mostly worked secretly. Such methods as have been published consist in heating the oil with water to which alum, borax, or sodium silicate has been added and subsequent treatment with animal charcoal. **(3) BOOKS ON FRUIT-PRESERVING.**—See *C. & D.*, October 23, 1909, p. 660. **(4) BOOK ON CONFECTIONERY.**—Skuse's "Complete Confectionery" (W. J. Bush & Co., 7s. 6d.). **(5)** There is no book published on deodorising mineral oils.

W. T. B. (236/17).—LIQUID METAL-POLISH.—The polish containing petrol is not so much in favour now on account of its inflammability and the liability incurred in storing. Such a polish is made by mixing kieselguhr with petrol in the proportion of 4 oz. to a pint and scenting with oil of mirbane. A good recipe, and one not open to the objections stated above, was given in the *C. & D.*, March 14, 1908, p. 433.

Amagwebn (213/63).—DRY SHAMPOO.—Ammonia is not an essential ingredient in dry-shampoo liquids, but is used both on account of its refreshing properties and because an alkaline liquid aids frothing. It can be replaced by potassium carbonate, or where soft soap in spirituous solution is employed its use is unnecessary. Some prefer tincture of quillaia as the froth-producer. A suitable recipe was given in the *C. & D.*, August 8, 1908, p. 250.

W. A. C. (238/11).—We regret that we cannot definitely identify the liquids. No. 1 is a caramel preparation which may serve to colour veterinary preparations; No. 2 is a rectified spirit tincture in which cinnamon is the principal ingredient; and No. 3 resembles black oils containing spirit of tar.

Celtic (235/51).—The single leaf you send belongs to the houseleek order, *Crassulacea*, but it is not possible to identify the species from one leaf. The juice of the houseleek (*Sempervivum tectorum*) is used, mixed with cream, for external application. The cream may be the equivalent of the "concentrated milk" you mention.

E. & S. (221/17).—COD-LIVER OIL CONDIMENT.—We have no formula for this, but some information on the matter can be gleaned by consulting the indices of the two volumes of the *C. & D.* for 1908.

J. P. (224/16).—Ince's "Latin Grammar of Pharmacy" is published by Baillière at 5s. It is the best of its kind.

A. P. G. (215/70).—A trace of aniline magenta would probably give satisfaction as a colour for the carbolic mixture.

P. Q. (221/36).—SUGAR ANALYSIS.—You will find particulars of Clerget's inversion process for estimating cane sugar in such works as Thorpe's "Dictionary of Applied Chemistry," Vol. III., article "Sugar"; Newlands' "Sugar," 25s. (Spon); or Deerr's "Sugar and the Sugar-cane," 7s. 6d. (Rodger, Altrincham). It is a polarimeter method, first introduced by Clerget in 1845, and as modified by Herzfeld is still in use for estimating sugar in the presence of other optically active substances.

A. C. S. (206/48).—(1) PHYSIOLOGICAL STANDARDISATION OF ERGOT is still somewhat empirical, the method depending upon rotting of a cock's comb being usually employed. The blood-pressure method is regarded as preferable, and a fair requirement is that 0.66 c.c. of 1-in-1 liquid extract should induce a rise of 60 mm. in the blood-pressure of an animal weighing 1.5 kilo.; but this also varies. See Dr. W. Martin's paper in the *C. & D.*, July 31, p. 213, and Dr. Haynes's remarks on p. 215. **(2)** The Turkish oz. equals 1.1 oz. avoirdupois. See *C. & D. Diary*, p. 451.

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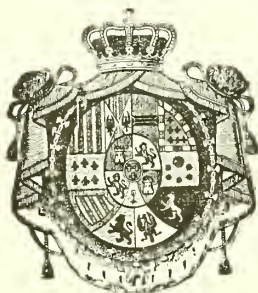


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Many pharmacists have assured us that even when the name "HEWLETT'S" is not appended to the above title they invariably dispense HEWLETT'S preparation, as they know from experience that it is the best, that it keeps indefinitely, and universally gives satisfaction, whilst imitation preparations vary so considerably, not only from the original, but from each other, that patients notice the difference and complain.

Price 11s. per lb., packed, for dispensing only, in 10, 22, 40, and 90 oz. Bottles.

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(THE ORIGINAL AND ONLY TRUE)

Invented by Richard Freeman, Pharmacist, in 1844.

A recognised specific for Coughs, Colds, Asthma, Bronchitis, Neuralgia, Influenza, Diarrhoea, Dysentery, Colic, Cholera, Gout, and Fevers of all kinds. Freeman's Chlorodyne is used and recommended by the Profession, and is the one Chlorodyne that does not cause headache. It is essentially different from any other and cannot be imitated.

At the advertised prices Freeman's Chlorodyne yields you 60% profit, and even when sold at Store prices there is still 24. profit on each small bottle—very fair, don't you think, for merely handing the article over your counter?

	Advertised @ per bottle.	Wholesale per dozen.	Special terms for large quantities.
No. 1 size.	1/1½	8/6	
No. 2 ..	2/9	21/-	
No. 3 ..	4/6	36/-	

Substitutes
will NOT give
your customers
the same degree
of
satisfaction.

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70 KENNINGTON PARK ROAD,
LONDON, S.E.



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TO THE WHOLESALE TRADE ONLY.

Eucalyptus Oil B.P.

50 to 60%
60 to 65%
65 to 70%
EUCALYPTOL.
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60%

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Original Packages can generally be supplied at the Current Prices quoted in the Trade Report of this paper on Terms as below.

- *Acet. Ipecac. B.P., 7 lbs. @ 1/3 lb.
 Acid Acetyl-Salicyl, 56 lbs. @ 1/11 lb.; 7 lbs. @ 2/1 lb.; 1 lb. @ 2/3 lb.
Acid Carb. Xils., 39/40; 56 lbs. @ 5d. lb.; 10-lb. Tins @ 5/- each; Detached Cryst. 8/- each; 36-lb. Bots. @ 3/4 lb. Single Bots. 11d. lb.; Detached Cryst. 1 lb. @ 1/1 lb.; Crude Black, 45 Gall. Casks @ 10d. gall.; 1 Gall. Tins @ 1/5 each.
 " **Citric Cryst.**, B.P., '85, 1 cwt. @ 1/3 lb.; 7 lb. in Bags @ 1/4 lb.; powder 1/2 lb. extra.
 " **Diethylparafuric**, 16 oz. @ 38/6 lb.; 1 oz. @ 2/8 oz.
 " **Gallic pur.** P.B., 7 lbs. @ 1/10 lb.; 1 lb. @ 2/- lb.
 " **Hydrobrom.**, dil. B.P., 6 lbs. @ 7d. lb.
 " **Hydrocyan.** P.B., 6 lbs. @ 1/1 lb.; 1 lb. @ 1/4 lb.; 36 1 oz. Vials @ 3/6 doz.
 " **Oxalic Cryst.**, 5 cwt. @ 3 3/4 lb.; 1 cwt. @ 3 3/4 lb.; 14 lbs. @ 3 3/4 lb.
 " **Phosph. Dil.** B.P., 8 lbs. @ 4 1/2 lb.
 " **Salicyl. pulv.**, 1 cwt. @ 1/1 lb.; 28 lbs. @ 1 1/2 lb.; 7 lbs. @ 1/3 lb.; phys. pure, 1 lb. @ 3/- lb.
 " **Sulphur.** Coml., cases, 4 2-gal. jars, 17/- each; 20 cases @ 16/- each.
 " **Sulph. Aromat.** B.P., 5 lbs. @ 3/8 lb.
 " **Tannic.** B.P., 7 lbs. @ 2/2 lb.
 " **Tart.**, cryst. or pulv. B.P. 1885, 1 cwt. @ 9 1/2 lb.; 7 lbs. @ 10 1/2 lb.; parv. 1/2 lb. extra.
Adeps Lanae B.P., Anhydrous, 2 cwt. @ 52/6 cwt., Hydrous @ 49/- cwt.; 1 cwt. @ 2/- cwt., 28 lbs. @ 8/- cwt., 14 lbs. @ 8/- cwt., 7 lbs. @ 12/- cwt. extra. [1/5 lb.
Aloes, Socot., 7 lbs. @ 1/5 lb.; powder, 7 lbs. @ Ferri Ammon. Cit., P.B., 28 lbs. @ 1 1/4 lb.; 7 lbs. @ 1/7 lb.
 Ferri Carb., 1 cwt. @ 21/- cwt.; 28 lbs. @ 3d. lb.
Ferri et Quininae Cit., P.B., 600 ozs. @ 3d. oz.; 100 ozs. @ 3 1/2 oz.; 25 ozs. @ 3 1/2 oz.
 Ferri Sulph., pure cryst., 1 cwt. @ 15/-; 7 lbs. @ 2d. lb.
 Ferrum Redact. 80%, 28 lbs. @ 1/1 lb.; 7 lbs. @ 1/3 lb.
 Fol. Hyoscyam. Bian., 7 lbs. @ 6/3 lb.
 Fol. Sennae Alex. parv. 1 cwt. @ 4d. lb.; 28 lbs. @ 4 1/2 lb.
 Fol. Sennae Tinner. 3 1/2 cwt. @ 2 1/2 lb.; 1 cwt. @ 3 1/2 lb.; 7 lbs. @ 3 1/2 lb.; English Ground, 1 cwt. @ 5 1/2 lb.; 56 lb. @ 6d. lb.; 7 lbs. @ 7d. lb.
Formaldehyde, 40%, 132-lb. Carboys @ 52/- each; 7 lbs. @ 7 1/2 lb.; 1 lb. @ 4/4 lb.
 Gamboge English Ground, 7 lbs. @ 4/- lb.; 1 lb. @ 2/3 lb.
 Hexamethylenetetramine, 7 lbs. @ 2/- lb.; 1 lb. @ 2/3 lb.
 Honey, fine White Set, 28 lbs. @ 47/- cwt.
 " **Inf. Aurant.** Conc., 1 to 7, 6 lbs. @ 1/1 lb.
 " **Aurant. Comp. Conc.**, 1 to 7, 6 lbs. @ 1/3 lb.
 " **Bachu** Conc., 1 to 7, 6 lbs. @ 1/1 lb.
 " **Calumbae** Conc., 1 to 7, 6 lbs. @ 1 1/2 lb.
 " **Caryoph.** Conc., 1 to 7, 6 lbs. @ 1 1/2 lb.
 " **Cascarilla** Conc., 1 to 7, 6 lbs. @ 1 1/2 lb.
 " **Cinchone** Acid, 1 to 7, 6 lbs. @ 1/7 lb.
 " **Cinchona** Co., 1 to 7, 6 lbs. @ 1 1/2 lb.
 " **Quassia** Conc., 1 to 7, 6 lbs. @ 9 1/2 lb.
 " **Rhei** Conc., 1 to 7, 6 lbs. @ 1 1/2 lb.
 " **Rose** Acid. Omo., 1 to 7, 6 lbs. @ 1/8 lb.
 " **Senega** Conc., 1 to 7, 6 lbs. @ 2/- lb.
 " **Valerian** Conc., 1 to 7, 6 lbs. @ 1/3 lb.
 " **Sp. Ammon. Aromat.** P.B., 5 lbs. @ 2/8 1/2 lb.
 " **Spt. Chloroformi**, P.B., 5 lbs. @ 3/7 lb.
 Strychnina cryst. B.P., 25 ozs. @ 2/- oz.; 1 oz. @ 2/3 oz.; Hydrochlor. & Sulphate, 2d. oz. less.
 Sugar of Milk, B.P., 1 cwt. @ 4 1/2 cwt.; 7 lbs. @ 6d. lb.
 Sulphonal P.B., 1 lb. @ 9/6 lb.
 " **Syr. Aurant.** P.B., 7 lbs. @ 8d. lb.
 " **Syr. Easton** B.P., 7 lbs. @ 1/- lb.
 " **Ferri Iodid.** P.B., 7 lbs. @ 1/1 lb.
 " **Ferri Phosphat.** Co., 7 lbs. @ 5d. lb.
 " **Hypophosph.** Co. B.P.C., 7 lbs. @ 9d. lb.
 " **Prunl Virg.** B.P., 8 lbs. @ 7d. lb.
 " **Rhamni**, 7 lbs. @ 10d. lb.
 " **Rhei** P.B., 7 lbs. @ 7 1/2 lb.
 " **Scillae** P.B., 7 lbs. @ 4 1/2 lb.
 " **Sennae** P.B., 7 lbs. @ 8d. lb.
 " **Tolut.** P.B., 7 lbs. @ 7d. lb.
 " **Tinct. Aurantii** Reccos, B.P., 5 lbs. @ 3/6 lb.; Bond 8 1/2 lb.
 " **Tinct. Belladonna**, B.P., 5 lbs. @ 2/11 lb.; Bond, 6 1/2 lb.
 " **Tinct. Benzoin** Comp., P.B., 5 lbs. @ 3/5 lb.; Bond, 3 1/2 lb.
 " **Tinct. Camph.** Comp., P.B., 5 lbs. @ 2/6 lb.; Bond, 6 1/2 lb.
 " **Tinct. Cantharidis**, P.B., 5 lbs. @ 3/9 lb.; bond, 6d. lb.
 " **Tinct. Capsici**, B.P., 5 lbs. @ 3/3 lb.; bond, 6d. lb.
 " **Tinct. Card. Comp.**, P.B., 5 lbs. @ 2/6 lb.; bond, 6 1/2 lb.
 " **Tinct. Catechu**, P.B., 5 lbs. @ 2/8 lb.; bond, 6 1/2 lb.
 " **Tinct. Chlorof. c. Morph.** Comp., B.P., 1886, 5 lbs. @ 1/11 lb.; bond, 1 1/5 lb.
 " **Tinct. Cinchoa** Comp., B.P., 5 lbs. @ 3/4 lb.; bond, 10 1/2 lb.

GENTLEMEN.—Please ask yourselves why should you when procuring your usual supply of **Drugs and Chemicals** change your System and purchase your requirements of us, and our answer is that the old saying is still true that **Goods Well Bought are half Sold.** The Keen Business Man in these Competitive days has no time (Money) to waste and when requiring goods in the first place considers how he can readily, and with the least possible waste of time, obtain the lowest current prices without the trouble and expense of writing to several Houses. Being a Keen Business Man himself, he always has his leading Trade Paper to hand with the prices which are revised Weekly. Another great advantage is that he can do his ordering at a time to suit his own convenience and not be constantly interrupted by callers when busy. Again, he knows full well the prices he sees there include all packages, and therefore does not get an Invoice showing a much greater amount than he intended to spend. Apart from this he finds the disposal of his Empties is a great consideration in the course of the year. The Secret of our being able to quote such Keen Prices is that the Cost of obtaining our Business is almost Nil compared to what it would be if we adhered to the old-fashioned methods of Travelling and Credit. This is where we economise, as under no circumstances do we allow price to influence Quality.

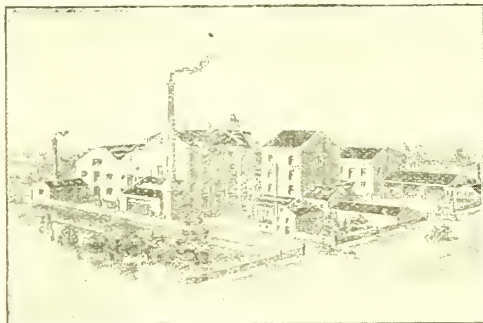
- Ammon. Carb.**, lamp, 3 cwt. @ 3 1/2 lb.; 28 lbs. @ 4 1/2 lb.; 7 lbs. @ 5d. lb.; powder, 1/2 lb. extra.
Amyli pulv., 10 cwt. @ 13/3 cwt.; 2 1/2 cwt. @ 13/9 cwt.; 1 cwt. @ 15/3 cwt.
Bismuth. P.B. Carb., 14 lbs. @ 7/9 lb.; 3 lbs. @ 8/1 lb.; subnit., 1/- lb. less.
Camphor. English Flowers, "not artificial," 5 lbs. @ 1/10 lb.; 1/2 oz. 7 lbs. @ 1/11 lb.; 1/2 oz. 7 lbs. @ 8 1/2 lb. Orude, good white about 93% as imported, 140 lbs. @ 1/4 lb.; 1/4 lb. @ 1/5 lb.
Cetaceum: No. 1, fine white, 64 lbs. @ 1/3 lb.; 7 lbs. @ 1/4 1/2 lb.; powder, 7 lbs. @ 1 lb.
Chloral Hydras xt. B.P., 7 lbs. @ 4/2 lb.; 1 lb. @ 4/6 lb.
Cocaine Hydrochlor. B.P., 25 ozs. @ 4 ozs. @ 7/10 oz.; 1 oz. @ 8/- oz.
Colocyth. Pulp, 2 cwt. bales @ 7d. lb.; 7 lbs. @ 10d. lb.
Cream Tartar, 98% powder, 1 cwt. @ 72/6 cwt.; 7 lbs. @ 9d. lb.
Ess. Lemon, 12 lb. Copper @ 3/6 lb.; 6 1-lb. bots. @ 4/0 lb.; not guaranteed absolutely pure.
 ***Ext. Belladonnae** Liq. B.P., 5 lbs. @ 4/7 lb.; 1 lb. @ 5/- lb.
Ext. Cascara Sag. Liq., B.P., 10 lbs. @ 1/2 lb. [3/2 lb.
 ***Ext. Ergot.** Liq. P.B., 5 lbs. @ 2/11 lb.; 1 lb. @ 4/3 lb.
 ***Ext. Filicis** Liq., P.B., 9 lbs. @ 4/- lb.; 1 lb. @ 4/3 lb. [9 1/2 lb.
Ext. Gent., P.B., Solid, 1 cwt. @ 8 1/2 lb.; 7 lbs. @ 8d. lb.
 " **Glycerrh.** Liq. B.P., 6 lbs. @ 1/4 1/2 lb.
 " **Hamamelis**, Liq. B.P., 6 lbs. @ 3/5 lb.
Ext. Hyoscyam., Solid, B.P., 3 lbs. @ 5/6 lb.; 1 lb. @ 5/11 lb. [11/3 lb.
 ***Ext. Ipecac.** Liq. P.B., 5 lbs. @ 10/8 lb.; 1 lb. @ 1/2 lb.
 " **Malti c.** Ol. Jecoris, 10 lbs. @ 5 1/2 lb.
 ***Ext. Nucis Vom.** Liq. B.P., 5 lbs. @ 3/- lb.; 1 lb. @ 3/3 lb.; solid 4d. lb. extra.
 *Minimum quantity at these prices, Home Trade, 8 Winchester Quarts assorted. Export, 12 Winchester Quarts assorted.
NOTE.—Only Terms Net Cash with order without discount, or orders accepted through London Merchants or Bankers. Goods carriage forward; all packages free; Export cases extra.
Lin. Camph. P.B., 40 lbs. @ 10 1/2 lb.; 9 lbs. @ 11 1/2 lb.
 Lin. Sapo Meth., 9 lbs. @ 7d. lb.
 Lin. Tereb. Acet. B.P., 9 lbs. @ 1/- lb.
 ***Liq. Ammonii Acetatis** Conc. 1-7, 6 lbs. @ 8d. lb.; 1 lb. @ 10 1/2 lb.
 ***Liq. Ammon. Aromat.**, 6 lbs. @ 9d. lb.
 " **Antim. Chlor.** Pure, 8 lbs. @ 6 1/2 lb. [7d. lb.
 " **Arsenicalis** B.P., 7 lbs. @ 4d. lb.; 1 lb. @ 1 lb. @ 7d. lb.
 " **Arsenii Hydrochlor.**, P.B., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.
 " **Bismuth.** P.B., 6 lbs. @ 10 1/2 lb.
 " **Copaiba Bucha** et Oubeb, 5 lbs. @ 2/6 lb.; 1 lb. @ 2/10 lb.
 " **Easton**, p.s. 1-3, B.P., 1 lb. @ 3/- lb.
 " **Ferri Dialysatus**, 6 lbs. @ 7d. lb.
 " **Ferri lod.** p.s. 1-7, 1 lb. @ 5/9 lb.
Menthol. dry white cryst., 60 lbs. @ 8/4 lb.; 5 lbs. @ 8/9 lb.
 Ol. Eucalypt., B.P., 1 cwt. @ 1/1 1/2 lb.; 28 lbs. @ 1 1/2 lb.; 9 lbs. @ 1/3 1/2 lb.
 Ol. Olivae, P.B., Flav. 45 gall. Barrel @ 4/3 gall.; 2 galls. @ 5/3 gall.
Ol. Santal. Flav. Ang., B.P., 5 lbs. @ 10 1/2 lb.; 1 lb. @ 10 1/2 lb.
Quininae Sulph., B.P., 400 ozs. @ 6 1/2 lb. oz.; 100 ozs. @ 6 1/2 lb. oz.; 25 ozs. @ 7 1/2 lb. oz.; 10 ozs. @ 8d. oz. [10 1/2 lb.
 Bots. @ 10 1/2 lb. [1/2 lb.
 Sodii Bromid. P.B., 1 cwt. @ 10 1/2 lb.; 7 lbs. @ 10 1/2 lb.
 Soda Cit., B.P., 3 lbs. @ 1/10 lb.
 Soda Hyposulphite, pea cryst., 1 cwt. @ 8/6 cwt.
 Soda Salicyl. Pulv., 1 cwt. @ 1/5 lb.; 28 lbs. @ 1/6 lb.; 7 lbs. @ 1/7 lb.; phys. pur. 28 lbs. @ 2/2 lb.; 1 lb. @ 2/5 lb.
 Soda Sulphocarbolas B.P., 7 lbs. @ 10 1/2 lb.; 1 lb. @ 1/1 lb. [2/3 lb.
 ***Spt. Ether Nit.** P.B., 4 1/2 lbs. @ 3/6 lb.; 1 lb. @ 3/6 lb.

- ***Tinct. Cinchon.** Rub., P.B., 5 lbs. @ 3/- lb.; bond, 10d. lb.
 ***Tinct. Digitalis**, B.P., 5 lbs. @ 2/8 lb.; bond, 6 1/2 lb.
 ***Tinct. Gelsem.** B.P., 5 lbs. @ 2/10 lb.; Bond, 6 1/2 lb.
 ***Tinct. Gentiana** Comp., B.P., 5 lbs. @ 1/11 1/2 lb.; bond, 6 1/2 lb.
 ***Tinct. Hyoscyami**, B.P., 5 lbs. @ 2/5 lb.; bond, 6 1/2 lb.
 ***Tinct. Iodi**, B.P., 5 lbs. @ 3/11 lb.; bond, 1/1 1/2 lb.; decolor, 5 lbs. @ 4/3 lb.; bond, 1/0 1/2 lb.
 ***Tinct. Lavandulae** Comp., B.P., 5 lbs. @ 3/10 lb. bond, 7 1/2 lb.
 ***Tinct. Myrrhae**, B.P., 5 lbs. @ 3/9 lb.; bond, 9 1/2 lb.
 ***Tinct. Nuxis Vom.**, B.P., 5 lbs. @ 2/10 lb.; bond, 6d. lb.
 ***Tinct. Quinae Amm.**, B.P., 5 lbs. @ 2/6 lb.; bond, 11d. lb.
 ***Tinct. Rhei** Co., B.P., 5 lbs. @ 2/2 lb.; bond, 8d. lb.
 ***Tinct. Scillae**, B.P., 5 lbs. @ 2/6 lb.; Bond, 7 1/2 lb.
 ***Tinct. Senega**, P.B., 5 lbs. @ 3/1 lb.; bond, 1/3 1/2 lb.
 ***Tinct. Strophanth.**, P.B., 6 lbs. @ 3/6 lb.; bond, 8 1/2 lb.
 ***Tinct. Valeriana**, 5 lbs. @ 2/8 lb.; bond, 6d. lb.
 ***Tinct. Valeriana Ammon.**, P.B., 5 lbs. @ 3/1 lb.; bond, 8 1/2 lb.
 ***Tinct. Zingib.**, P.B., 5 lbs. @ 4/- lb.; bond, 6 1/2 lb.
 ***Tinct. Zingib.** Fortior, 5 lbs. @ 4/3 lb.; bond, 10 1/2 lb. [2d. lb.
 Treacle (Black), 5 1/2 cwt. @ 7/6 cwt.; 24 lbs. @ Ung. Acid. Boric. P.B., 28 lbs. @ 6 1/2 lb.; Flav. 28 lbs. @ 4 1/2 lb.
 " **Acid Carb.** B.P., 28 lbs. @ 8d. lb.; 7 lbs. @ 9d. lb.; 1 lb. @ 11d. lb.
 Ung. Hydrargyri B.P., 28 lbs. @ 1/11 1/2 lb.; 7 lbs. @ 2 1/4 lb.

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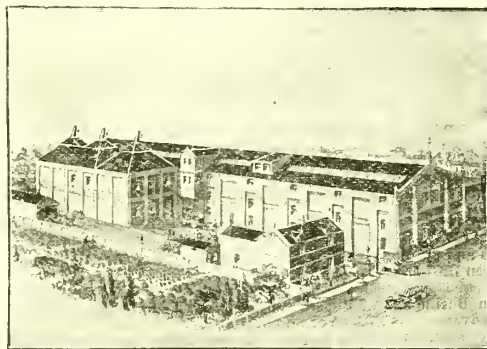
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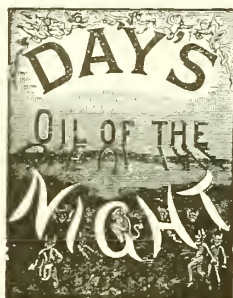
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Influenza—and its dreaded after-effects—will never yield to the old-time remedies. The seat of the mischief is in the respiratory organs, and it needs the knowledge and experience of the Physician, combined with the scientific research of the Chemist, to find a Sure Remedy. This combination has produced the Influenza Conoid, which attacks the cause directly, and never fails to act pleasantly, quickly, and effectively.

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Influenza Conoids

Are neatly packed in Boxes each containing 2 dozen Conoids.

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A single Conoid will give relief.

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Less than 1 " " @ 9/6 " " " " " "

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<i>Caffeine,</i>	<i>Coumarine,</i>	<i>Hydrastine,</i>	<i>Phenacetin,</i>	<i>Resorcine,</i>
	<i>Santonine,</i>	<i>Terpin-Hydrate,</i>	<i>Veratrine,</i>	<i>etc.</i>

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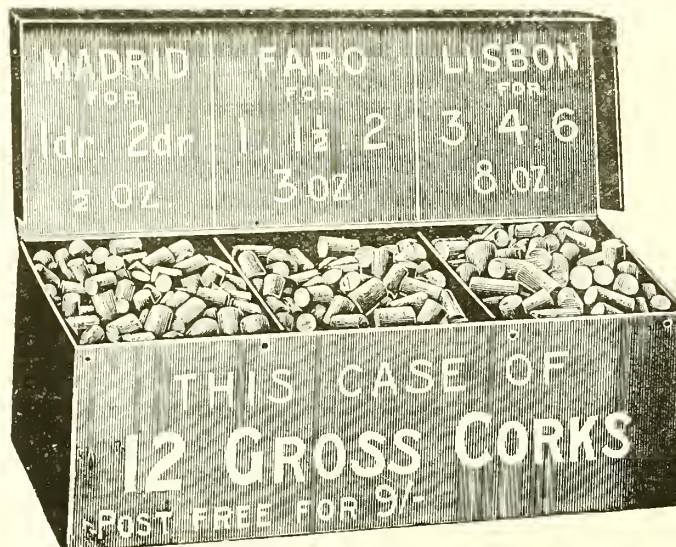
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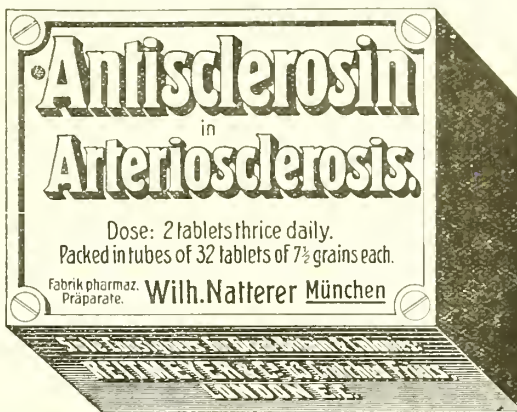
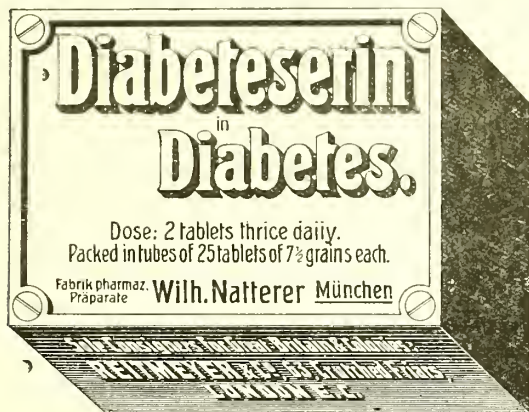
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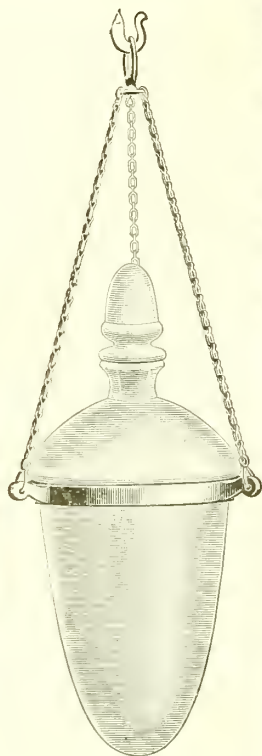
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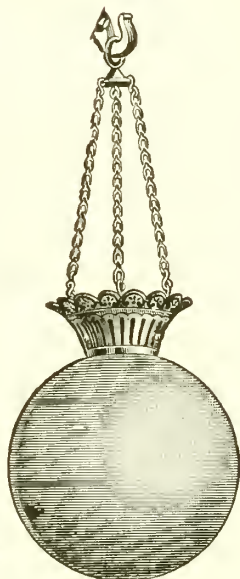
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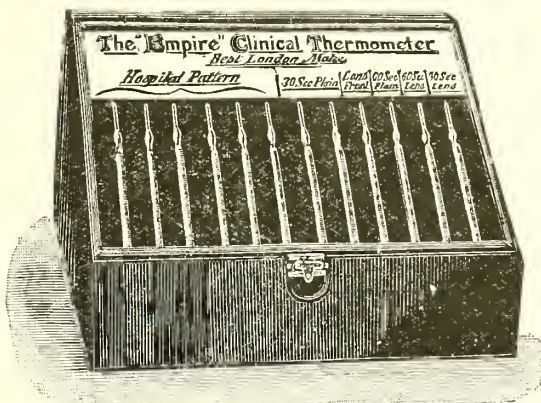
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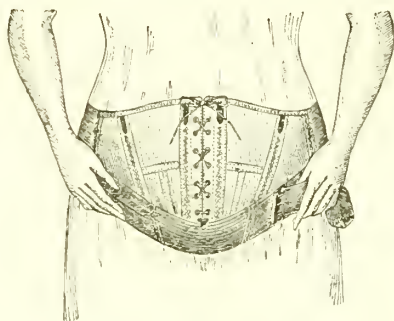
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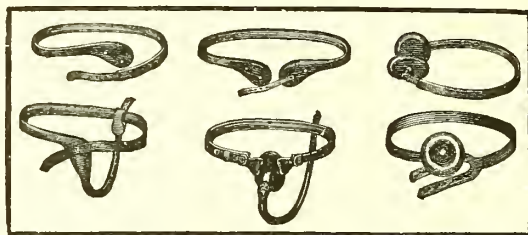
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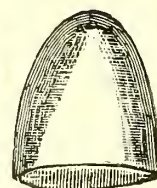
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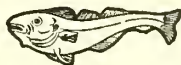
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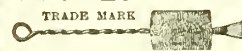
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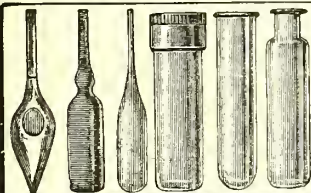
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